



 levelone

PRODUCT CATALOG



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NETWORKING





### N300 Wireless Router

WBR-6013

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11 b/g/n wireless standards
- Auto Channel Selection for low interference band
- Simple wireless connectivity and security with WPS push button
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Client isolation allows strict control of access to wireless devices on the network



### AC1200 Dual Band Wireless Gigabit Router

WGR-8031

- Share your wireless network up to 1200Mbps
- For IEEE 802.11 a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Auto Channel Selection for low interference band
- Wireless signal on/off button
- Simple wireless connectivity and security with WPS push button
- Client isolation allows strict control of access to wireless devices on the network
- Provides up to 8 SSIDs to separate network traffic and enhance security



### AC1750 Dual Band Wireless Gigabit Router

WGR-8032

- Share your wireless network up to 1750Mbps
- For IEEE 802.11 a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Auto Channel Selection for low interference band
- Simple wireless connectivity and security with WPS push button
- Wireless signal on/off button
- Client isolation allows strict control of access to wireless devices on the network



### AC1200 Dual Band Range Extension Wireless Starter Kit

WSK-8001

- Share your wireless network up to 1200Mbps
- For IEEE 802.11 a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Simple wireless connectivity and security with WPS push button
- Provides stable signals and extends coverage
- Quick and easy installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Wireless signal on/off button



### Gigabit Wireless LAN Controller

WAC-2000

- Centralized management of up to 50 APs
- Client isolation allows strict control of access to wireless devices on the network
- Supports gateway/router mode
- Load balancing across multiple APs
- Built-in robust firewall to protect Internet access against intruders
- Captive Portal function provides a convenient method of authentication for guest users



### Gigabit Wireless LAN Controller

WAC-2003

- Centralized management of up to 300 APs
- Up to 4 WAN interfaces with load balancing function
- Client isolation allows strict control of access to wireless devices on the network
- Supports gateway/router mode
- Load balancing across multiple APs
- Built-in robust firewall to protect Internet access against intruders
- Captive Portal function provides a convenient method of authentication for guest users



### N300 5GHz PoE Wireless Access Point, Controller Managed

WAB-5010

- Share your wireless network up to 300Mbps
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- Provides up to 4 SSIDs to separate network traffic and enhance security



### N300 PoE Wireless Access Point, Controller Managed

WAB-6010

- SShare your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- Provides up to 4 SSIDs to separate network traffic and enhance security



### AC1200 Dual Band PoE Wireless Access Point, Controller Managed

WAB-8011

- Share your wireless network up to 1200Mbps
- For IEEE 802.11 a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Router/AP/Repeater/WISP operation modes to suite different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- Provides up to 8 SSIDs to separate network traffic and enhance security



### N300 PoE Wireless Access Point, Controller Managed

WAP-6221

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11 b/g/n wireless standards
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Wall-mounted design fits standard 86 x 86mm socket



### N300 PoE Wireless Access Point, Controller Managed

WAP-6117

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11 b/g/n wireless standards
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- IEEE 802.3af PoE compliant to simplify deployment and installation



### N300 Wireless Access Point, Controller Managed

WAP-6017

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11 b/g/n wireless standards
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security



### AC1200 Dual Band Wireless Access Point, Controller Managed

WAP-8021

- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11 a/b/g/n/ac wireless standards
- Multi-operation modes to suit different wireless applications
- Provides up to 8 SSIDs to separate network traffic and enhance security



### N300 PoE Wireless Access Point, Controller Managed

WAP-6121

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11 b/g/n wireless standards
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af PoE compliant to simplify deployment and installation



### AC750 Dual Band PoE Wireless Access Point, Controller Managed

WAP-8121

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Auto Channel Selection for low interference band



### AC1200 Dual Band PoE Wireless Access Point, Controller Managed

WAP-8122

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Auto Channel Selection for low interference band



### N300 Wireless Range Extender

WRE-6001C

- Provides stable signals and extends coverage
- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Simple wireless connectivity and security with WPS push button
- Wireless security with WPA/WPA2 and 64/128-bit WEP encryption



### AC1200 Dual Band Wireless Range Extender

WRE-8011E

- Share your wireless network up to 1200Mbps
- For IEEE 802.11a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Provides stable signals and extends coverage
- Simple wireless connectivity and security with WPS push button
- Wireless security with WPA/WPA2 and 64/128-bit WEP encryption



### 500Mbps Powerline Adapter

PLI-4052

- Extends your home network through existing electrical wiring with data transfer speeds of up to 500Mbps
- Security push button for software free configuration
- Simple Plug and Play installation
- Compact, lightweight design





### Fast Ethernet Fiber PCI Network Card

FNC-0103FX

- 1 x ST Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 50 or 62.5/125 optical fiber
- Half duplex: 412m max. fiber length
- Full duplex: 2000m max. fiber length
- Transmission and speed: PCI-Bus, 100Mbps full or half duplex
- Diagnostic LEDs for Link, Activity, Collision and FDX
- Supports all current OS including Linux
- Power consumption: 5V DC 2.0A



### Fast Ethernet Fiber PCI Network Card

FNC-0104FX

- 1 x SC Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 50 or 62.5/125 optical fiber
- Half duplex: 412m max. fiber length
- Full duplex: 2000m max. fiber length
- Transmission and speed: PCI-Bus, 100Mbps full or half duplex
- Diagnostic LEDs for Link, Activity, Collision and FDX
- Supports all current OS including Linux
- Power consumption: 5V DC 2.0A



### Fast Ethernet Fiber PCI Network Card

FNC-0105

- 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### Fast Ethernet Fiber PCIe Network Card

FNC-0115

- 1 x SC Multi-Mode Fiber
- Supports most network operating systems (NOS)
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security



**Gigabit Fiber PCI Network Card**  
GNC-0100

- 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports 32 bit PCI 1.0 and PCI 2.2 bus
- Supports remote management (WfM,RIS,SNMP/DMI)
- Supports most network operating systems (NOS)
- Interrupt Moderation: Delivers increased performance while significantly reducing CPU utilization



**Gigabit Fiber PCI Network Card**  
GNC-0107

- 1 x SC Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Support 32 bit PCI 1.0 and PCI 2.2 bus
- Supports remote management (WfM,RIS,SNMP/DMI)
- Supply switch device for fault tolerance and checking
- Supports most Network Operating Systems (NOS)



**Gigabit Fiber PCIe Network Card**  
GNC-0110

- 1 x SFP
- Interrupt Moderation: Delivers increased performance while significantly reducing CPU utilization
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- Supports most network operating systems (NOS)



**Gigabit Fiber PCIe Network Card**  
GNC-0120

- PCIe 4X, 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports iSCSI remote boot
- Load balancing across multiple CPUs
- Compatible with x4, x8, and x16 standard and low-profile PCI Express slots
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows\* Device Manager



**Gigabit Fiber PCIe Network Card**  
GNC-0122

- PCIe 4X, 2 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports iSCSI remote boot
- Load balancing across multiple CPUs
- Compatible with x4, x8, and x16 standard and low-profile PCI Express slots
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows\* Device Manager



**Gigabit Fiber PCIe Network Card**  
GNC-0124

- PCIe 4X, 4 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-performing bridgeless design supporting PCI Express\* Gen 2.1 5GT/s
- Innovative power management features including Energy Efficient Ethernet (EEE) and DMA Coalescing for increased efficiency and reduced power consumption
- Flexible I/O virtualization for port partitioning and quality of service (QoS) for up to 32 virtual ports
- Reliable and proven Gigabit Ethernet technology from Intel Corporation



## Gigabit Fiber PCIe Network Card

GNC-0200

- 1 x SC Multi-Mode Fiber, Low Profile Bracket included
- Host Interface standard support PCI Express 2.0a
- High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY / SERDES chip controller
- Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX
- Ultra deep packet buffer per channel lowers CPU utilization
- Hardware acceleration that can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum Calculations and TCP segmentation



## 10 Gigabit Fiber PCIe Network Card

GNC-0201

- PCIe 8X, 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Load balancing across multiple CPUs
- Supports iSCSI remote boot
- Supports Fibre Channel over Ethernet (FCoE)
- Supports most network operating systems (NOS)



## 10 Gigabit Fiber PCIe Network Card

GNC-0202

- PCIe 8X, 2 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports Dual SFP+ Connectivity
- Load balancing across multiple CPUs
- Supports iSCSI remote boot
- Supports Fibre Channel over Ethernet (FCoE)
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows\* Device Manager
- IEEE 1588 and 802.1as (Time Sync)



## Gigabit PCI Network Card

GNC-0105T

- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow
- Supports most network operating systems (NOS)



## Gigabit PCIe Network Card

GNC-0112

- Low Profile Bracket included
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- Supports single-lane PCI Express for link transmission speed at up to 2.5Gbps
- Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



## Fast Ethernet USB Network Adapter

USB-0301

- Provides an Internet connection through a single USB port
- 10/100Mbps wire speed transmission and reception
- Compact, lightweight design
- Supports IPv4/IPv6 network operation
- Simple Plug and Play installation
- No additional power supply required



### N300 Wireless USB Network Adapter

WUA-0605

- Provides wireless speed up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Effortless wireless security with a simple push of the WPS button
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- Quick and easy installation
- Compact, lightweight design



### Gigabit USB-C Network Adapter

USB-0402

- 9K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation



### Gigabit USB Network Adapter

USB-0502

- Provides an Internet connection through a single USB port
- 10/100/1000Mbps wire speed transmission and reception
- Built-in 3-Port Super Speed USB 3.0 hub
- Compatible with USB 3.0 / 2.0 standards
- 4K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



### Gigabit USB Network Adapter

USB-0503

- 10/100/1000Mbps wire speed transmission and reception
- Built-in 3-Port Super Speed USB 3.0 hub
- Compatible with USB 3.0 / 2.0 standards
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Hot-swappable



### Gigabit USB Network Adapter

USB-0401

- Provides an Internet connection through a single USB port
- 10/100/1000Mbps wire speed transmission and reception
- 4K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation
- No additional power supply required
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



### AC1200 Dual Band Wireless USB Network Adapter

WUA-1810A (1-11 CHANNELS)  
WUA-1810E (1-13 CHANNELS)

- Provides wireless speed up to 300Mbps (2.4GHz) / 867Mbps (5GHz)
- Dual band technology reduces interference for reliable connections
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Simple wireless connectivity and security with WPS push button
- AP/Client operation modes to suite different wireless applications
- Provides 5dBi detachable antenna
- Comes with a USB cradle to allow flexible placement for optimal wireless signal



### 3-Port Fast Ethernet PoE Switch

FEP-0311W36 (36W)  
FEP-0311W65 (65W)  
FEP-0311W90 (90W)

- 2 Fast Ethernet PoE ports and 1 Fast Ethernet port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Power protection: OVP/OCP/OTP



### 5-Port Fast Ethernet PoE Switch

FEP-0511 (65W)  
FEP-0511W90 (90W)  
FEP-0511W120 (120W)

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 5-Port Fast Ethernet PoE Switch

FSW-0503 (61.6W)  
FSW-0503Z (61.6W, POWER ADAPTER EXCLUDED)  
FSW-0503W90 (90W)

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 5-Port Fast Ethernet PoE Switch

FSW-0513 (120W)  
FSW-0513Z (120W, POWER ADAPTER EXCLUDED)

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- PoE on/off control per port by dip switches
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 8-Port Fast Ethernet PoE Switch

FEP-0800 (90W)  
 FEP-0800W65 (65W)  
 FEP-0800W120 (120W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



### 8-Port Fast Ethernet PoE Switch

FEP-0811 (120W)  
 FEP-0811W250 (250W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 11-inch metal housing with 19-inch rackmount kit included
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 8-Port Fast Ethernet PoE Switch

FEP-0812 (65W)  
 FEP-0812W90 (90W)  
 FEP-0812W120 (120W)

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 10-Port Fast Ethernet PoE Switch

FGP-1000 (120W)  
 FGP-1000W90 (90W)  
 FGP-1000W65 (65W)

- 8 Fast Ethernet PoE ports, 1 Gigabit port and 1 Gigabit SFP slot
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



### 16-Port Fast Ethernet PoE Switch

FEP-1600 (120W)  
 FEP-1600W90 (90W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



### 16-Port Fast Ethernet PoE Switch

FEP-1611

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- Supports 4K MAC address auto-learning and auto-aging
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch metal housing
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 240W, up to 30W per port



### 16-Port Fast Ethernet PoE Switch

FEP-1601 (250W)  
 FEP-1601W120 (120W)  
 FEP-1601W150 (150W)  
 FEP-1601W380 (380W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- 19-inch metal housing



### 16-Port Fast Ethernet PoE Switch

FEP-1612 (500W)  
 FEP-1612W380 (380W)  
 FEP-1612W150 (150W)  
 FEP-1612W120 (120W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- Supports 4K MAC address auto-learning and auto-aging
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch metal housing
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



### 26-Port Fast Ethernet PoE Switch

FGP-2410

- 24 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 4K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing
- Total PoE power budget: 240W, up to 30W per port



### 26-Port Fast Ethernet PoE Switch

FGP-2412 (500W)  
 FGP-2412W380 (380W)  
 FGP-2412W630 (630W)  
 FGP-2412W150 (150W)

- 24 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 4K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing



### 26-Port Fast Ethernet PoE Switch

FGP-2601W150 (150W)  
 FGP-2601W250 (250W)  
 FGP-2601W380 (380W)  
 FGP-2601W500 (500W)  
 FGP-2601W630 (630W)

- 24 Fast Ethernet PoE ports and 2 Gigabit ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Power protection: OVP/OCP/OTP
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- 19-inch metal housing



### 26-Port Fast Ethernet PoE Switch

FGP-2602W150 (150W)  
 FGP-2602W250 (250W)  
 FGP-2602W380 (380W)  
 FGP-2602W500 (500W)  
 FGP-2602W630 (630W)

- 24 Fast Ethernet PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Power protection: OVP/OCP/OTP
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- 19-inch metal housing



### 34-Port Fast Ethernet PoE Switch

FGP-3400W250 (250W)  
 FGP-3400W380 (380W)  
 FGP-3400W500 (500W)  
 FGP-3400W630 (630W)  
 FGP-3400W150 (760W)

- 32 Fast Ethernet PoE ports and 2 Gigabit ports
- PoE on/off control per port by dip switches
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included



### 5-Port Gigabit PoE Switch

GEP-0520 (61.6W)  
 GEP-0520Z (61.6W, POWER ADAPTER EXCLUDED)

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



### 5-Port Gigabit PoE Switch

GEP-0521

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 115W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



### 5-Port Gigabit PoE Switch

GEP-0522

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 65W, up to 30W per port



### 8-Port Gigabit PoE Switch

GEP-0812 (65W)  
 GEP-0812W90 (90W)  
 GEP-0812W120 (120)

- 4 Gigabit ports and 4 Gigabit PoE ports
- Auto-detection and protection of non-standard PoE devices
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- 11-inch metal housing with 19-inch rackmount kit included



### 8-Port Gigabit PoE Switch

GEP-0820 (65W)  
 GEP-0820W90 (90W)  
 GEP-0820W120 (120)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)





## 8-Port Gigabit PoE Switch

GEP-0821(123.2W)  
GEP-0822(240W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included
- Total PoE power budget: 123.2W/240W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



## 10-Port Gigabit PoE Switch

GEP-1020

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch rackmount kit included
- Total PoE power budget: 150W, up to 30W per port



## 10-Port Gigabit PoE Switch

GEP-1021

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch rackmount kit included
- Total PoE power budget: 250W, up to 30W per port



## 10-Port Gigabit PoE Switch

GEP-1022 (65W)  
GEP-1022W90 (90W)  
GEP-1022W120 (120)

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Internal power supply



## 10-Port Gigabit PoE Switch

GEP-1023 (65W)  
GEP-1023W90 (90W)  
GEP-1023W120 (120)

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



## 10-Port L2 Managed Gigabit PoE Switch

GEP-1070

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- Supports VLAN (tag-based, Q-in-Q)
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3ad LACP for auto port aggregation
- 9K jumbo frames to increase data transfer rates
- Total PoE power budget: 120W, up to 30W per port



### 16-Port Gigabit PoE Switch

GEP-1621 (250W)  
 GEP-1621W380 (380W)  
 GEP-1621W150 (150W)  
 GEP-1621W120 (120W)

- 16 PoE-Plus Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing



### 16-Port Gigabit PoE Switch

GEP-1622

- 16 PoE-Plus Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing
- Total PoE power budget: 480W, up to 30W per port



### 24-Port Gigabit PoE Switch

GEP-2421W150 (150W)  
 GEP-2421W250 (250W)  
 GEP-2421W380 (380W)  
 GEP-2421W500 (500W)  
 GEP-2421W630 (630W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch rackmount kit included



### 26-Port Gigabit PoE Switch

GEP-2622W150 (150W)  
 GEP-2622W250 (250W)  
 GEP-2622W380 (380W)  
 GEP-2622W500 (500W)  
 GEP-2622W630 (630W)

- 24 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch rackmount kit included



### 5-Port Fast Ethernet Switch

FEU-0511

- Provides flexibility of 4 x 10/100BASE-TX ports
- 100Base-FX Multi-mode fiber for the link up to 2km
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting



### 5-Port Fast Ethernet Switch

FSW-0508TX

- Provides flexibility of 5x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 2K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Magnetic base for easy placement
- Compact, lightweight design



## 8-Port Fast Ethernet Switch

FSW-0808TX

- Provides flexibility of 8 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Magnetic base for easy placement
- Quick and easy installation



## 16-Port Fast Ethernet Switch

FSW-1650

- Provides flexibility of 16 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



## 24-Port Fast Ethernet Switch

FSW-2450

- Provides flexibility of 24 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing



## 28-Port Web Smart Fast Ethernet Switch

FGS-2800

- 24 Fast Ethernet ports, 2 Gigabit ports and 2 Gigabit RJ45/SFP Combo ports
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.1p QoS with 4 priority queues
- Supports 16K MAC address auto-learning and auto-aging
- 10K jumbo frames to increase data transfer rates
- 19-inch metal housing
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security



## 50-Port Fast Ethernet Switch

FGU-5021

- 48 Fast Ethernet ports and 2 Gigabit RJ45/SFP combo ports
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 19-inch metal housing
- Quick and easy installation



## 5-Port Gigabit Switch

GEU-0521

- 4 Gigabit Ethernet ports and 1 Gigabit SFP slot
- 9K jumbo frames to increase data transfer rates
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation



**5-Port Gigabit Switch**  
GEU-0522

- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 4K MAC address auto-learning and auto-aging
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



**5-Port Gigabit Switch**  
GSW-0507

- 5 Gigabit Ethernet ports
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- 9K jumbo frames to increase data transfer rates
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



**8-Port Gigabit Switch**  
GSW-0807

- 9K jumbo frames to increase data transfer rates
- 8 Gigabit Ethernet ports
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



**8-Port Gigabit Switch**  
GEU-0822

- 8 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Provides wall or desktop mounting
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



**8-Port Gigabit Switch**  
GSW-0809

- 8 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Internal power supply



**16-Port Gigabit Switch**  
GEU-1621

- 16 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



## 16-Port Gigabit Switch

GSW-1657

- 16 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- Supports 8K MAC address auto-learning and auto-aging
- 9K jumbo frames to increase data transfer rates
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing



## 24-Port Gigabit Switch

GSW-2457

- 24 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- QoS control for traffic prioritization and bandwidth management
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing
- Fanless Design



## 26-Port Web Smart Gigabit Switch

GES-2451

- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.1p QoS with 4 priority queues
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing



## 26-Port Gigabit Switch

GEU-2429

- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- 9K jumbo frames to increase data transfer rates
- 10/100/1000Mbps wire speed transmission and reception
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Static trunk function for port aggregation



### 10-Port Web Smart Gigabit Switch

GEL-1051

- 8 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IEEE 802.3ad LACP for auto port aggregation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management



### 10-Port L2 Managed Gigabit Switch

GEL-1061

- 8 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



### 28-Port L2 Managed Gigabit Switch

GEL-2861

- 24 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



### 52-Port L2 Managed Gigabit Switch

GEL-5261

- 48 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



### 10-Port Web Smart Gigabit PoE Switch

GEP-1051

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IEEE 802.3ad LACP for auto port aggregation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Total PoE power budget: 70W, up to 30W per port



### 10-Port L2 Managed Gigabit PoE Switch

GEP-1061

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues
- Total PoE power budget: 125W, up to 30W per port



### 26-Port L2 Managed Gigabit Switch

GTL-2661

- 24 Gigabit-Ethernet-Ports und 2 10-Gigabit SFP+ Slots
- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Provides QoS control based on IP DSCP for advanced traffic prioritization and bandwidth management
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports IPv4/IPv6 network operation



### 28-Port L3 Lite Managed Gigabit Fiber Switch

GTL-2872

- 4 x 10GbE SFP+, 4 x Gigabit SFP/RJ45 Combo, 20 x Gigabit SFP
- IEEE 802.3ad LACP for auto port aggregation
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Supports IPv4/IPv6 network operation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Supports DDMI SFP transceiver
- Redundant power inputs with Terminal Block and AC Jack



### 28-Port Stackable L3 Lite Managed Gigabit Switch

GTL-2881

- 2 x 10GbE SFP+, 1 x 10GbE Module Slot, 24 x Gigabit RJ45
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Stacking up to 8 switches in one stack
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.3ad LACP for auto port aggregation
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management



### 28-Port Stackable L3 Lite Managed Gigabit Fiber Optic Switch

GTL-2882

- 2 x Gigabit SFP/RJ45 Combo, 2 x 10GbE SFP+, 1 x 10GbE Module Slot, 22 x Gigabit SFP
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Stacking up to 8 switches in one stack
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.3ad LACP for auto port aggregation
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation



### 28-Port Stackable L3 Managed Gigabit Switch

GTL-2891

- 2 x 10GbE SFP+, 1 x 10GbE Module Slot, 24 x Gigabit RJ45
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Stacking up to 8 switches in one stack
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.1d/w Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management



### 52-Port Stackable L3 Lite Managed Gigabit PoE Switch

GTP-5281

- 48 PoE Outputs (780W), 2 x 10GbE SFP+, 1 x Module Slot for 2 x 10GbE
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management
- Stacking up to 4 switches in one stack



## 26-Port L3 Lite Managed Gigabit Switch

GEL-2681

- 24 Gigabit ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- DHCP Client/Server
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- IEEE 802.3ad LACP for auto port aggregation
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based) and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3



## 26-Port Web Smart Gigabit PoE Switch

GEP-2651

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- DHCP Client/Server
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Total PoE power budget: 185W, up to 30W per port



## 26-Port L3 Lite Managed Gigabit PoE Switch

GEP-2681

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- DHCP Client/Server
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports Universal Plug and Play (UPnP) for auto-configure network devices
- Total PoE power budget: 185W, up to 30W per port



## 26-Port L3 Lite Managed Gigabit PoE Switch

GEP-2682

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- DHCP Client/Server
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.3ad LACP for auto port aggregation
- Total PoE power budget: 370W, up to 30W per port



## 28-Port Web Smart Gigabit PoE Switch

GEP-2851

- 24 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 370W, up to 30W per port
- Supports VLAN (tag-based, Q-in-Q)
- QoS control for traffic prioritization and bandwidth management
- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1x Access Control to improve network security
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- DHCP Client/Server
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



## 28-Port L3 Lite Managed Gigabit PoE Switch

GTP-2881

- 24 Gigabit PoE ports and 4 10-Gigabit SFP slots
- Total PoE power budget: 185W, up to 30W per port
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Supports IPv4/IPv6 network operation
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.3ad LACP for auto port aggregation





### 5-Port Fast Ethernet PoE Industrial Switch

IES-0521  
IES-0522

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port (IES-0522)
- 4 Fast Ethernet PoE ports and 1 Fast Ethernet port (IES-0521)
- Multi-mode fiber with SC connector for transmission of up to 2km (IES-0522)
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range
- Total PoE power budget: 61.6W, up to 15.4W per port



### 5-Port Fast Ethernet PoE Industrial Switch

IFP-0501

- Total PoE power budget: 126W, up to 30W per port
- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### 5-Port Fast Ethernet PoE Industrial Switch

IFP-0502

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### 5-Port Fast Ethernet PoE Industrial Switch

IFP-0503

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Total PoE power budget: 126W, up to 30W per port
- Single-mode fiber with SC connector for transmission of up to 30km
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### 5-Port Fast Ethernet PoE Industrial Switch

IFP-0504

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with ST connector for transmission of up to 2km
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### 8-Port Fast Ethernet PoE Industrial Switch

IFP-0801

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block and DC Jack



### 8-Port Fast Ethernet PoE Industrial Switch

IFP-0802

- Total PoE power budget: 200W, up to 30W per port
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### 8-Port Fast Ethernet PoE Industrial Switch

IES-0811

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -20°C to 70°C operating temperature range



### 8-Port Fast Ethernet PoE Industrial Switch

IES-0812

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Total PoE power budget: 61.6W, up to 15.4W per port
- Multi-mode fiber with SC connector for transmission of up to 2km
- -20°C to 70°C operating temperature range
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment



### 8-Port Fast Ethernet PoE Industrial Switch

IES-0821

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -40°C to 85°C operating temperature range



## 8-Port Fast Ethernet PoE Industrial Switch

IES-0822

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -40°C to 85°C operating temperature range



## 8-Port Web Smart Fast Ethernet PoE Industrial Switch

IES-0852

- Port 1 - 4 support IEEE 802.3at Power over Ethernet Plus (PoE+)
- Total PoE power budget: 120W, up to 30W per port
- System, IP Configuration, Port-based VLAN and QoS Priority setting through the Web browser Interface
- Complies with NEMA TS2 for traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range



## 8-Port Web Smart Fast Ethernet PoE Industrial Switch

IES-0853

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 120W, up to 30W per port
- System, IP Configuration, Port-based VLAN and QoS Priority setting through the Web browser Interface
- Complies with NEMA TS2 for traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range



## 10-Port Fast Ethernet PoE Industrial Switch

IES-1020

- 8 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- -40°C to 75°C operating temperature range
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Total PoE power budget: 240W, up to 30W per port



## 10-Port L2 Managed Fast Ethernet PoE Industrial Switch

IES-1084

- 8 Fast Ethernet PoE ports and 2 Gigabit ports
- Total PoE power budget: 181.6W, up to 30W per port
- PoE control and scheduling
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking with automatic link failover
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- -40°C to 85°C operating temperature range



## 10-Port L2 Managed Fast Ethernet PoE Industrial Switch

IES-1085

- 8 Fast Ethernet PoE ports and 2 Gigabit SFP slots
- Total PoE power budget: 181.6W, up to 30W per port
- PoE control and scheduling
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- -40°C to 85°C operating temperature range
- IEEE 802.3ad LACP for auto port aggregation



### 14-Port Fast Ethernet PoE Industrial Switch

IES-1420

- 12 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 360W, up to 30W per port
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- -40°C to 75°C operating temperature range



### 18-Port Fast Ethernet PoE Industrial Switch

IES-1820

- 16 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 480W, up to 30W per port
- -40°C to 75°C operating temperature range
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment



### 4-Port Gigabit PoE Industrial Switch

IGP-0401

- 2 Gigabit PoE ports, 1 Gigabit port and 1 Gigabit SFP slot
- Total PoE power budget: 65W, up to 30W per port
- Supports DIN-rail installation
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



### 6-Port Gigabit PoE Industrial Switch

IES-0610

- 4 Gigabit PoE ports, 1 Gigabit SFP slot and 1 Gigabit RJ45/SFP Combo port
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- IP30 metal case
- Redundant power inputs with Terminal Block



### 6-Port Gigabit PoE Industrial Switch

IES-0620

- 4 Gigabit PoE ports, 1 Gigabit SFP slot and 1 Gigabit RJ45/SFP Combo port
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- IP30 metal case
- Supports 12 to 55V DC power inputs
- Redundant power inputs with Terminal Block



### 8-Port Gigabit PoE Industrial Switch

IGP-0802

- Total PoE power budget: 200W, up to 30W per port
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



## 8-Port Gigabit PoE Industrial Switch

IGP-0801

- 4 Gigabit ports and 4 Gigabit PoE ports
- Total PoE power budget: 126W, up to 30W per port
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- -40°C to 75°C operating temperature range



## 10-Port Gigabit PoE Industrial Switch

IGP-1001

- 8 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 240W, up to 30W per port
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation
- Redundant power inputs with Terminal Block and DC Jack



## 12-Port Gigabit PoE Industrial Switch

IGP-1221

- 8 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 240W, up to 30W per port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



## 5-Port Fast Ethernet Industrial Switch

IFS-0501

- Provides flexibility of 5x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



## 5-Port Fast Ethernet Industrial Switch

IFS-0502

- Multi-mode fiber with SC connector for transmission of up to 2km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



## 5-Port Fast Ethernet Industrial Switch

IFS-0503

- Single-mode fiber with SC connector for transmission of up to 30km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



### 5-Port Fast Ethernet Industrial Switch

IFS-0504

- Multi-mode fiber with ST connector for transmission of up to 2km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



### 5-Port Fast Ethernet Industrial Switch

IES-0500

- Provides flexibility of 5x 10/100BASE-TX ports
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



### 5-Port Fast Ethernet Industrial Switch

IES-0510

- 4 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- -20°C to 70°C operating temperature range
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



### 5-Port Fast Ethernet Industrial Switch

IES-0520

- 4 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Provides DIN-rail or panel mounting
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



### 8-Port Fast Ethernet Industrial Switch

IES-0820

- Provides flexibility of 8 x 10/100BASE-TX ports
- Supports 12 to 56V DC power inputs
- Provides DIN-rail or panel mounting
- Redundant power inputs with Terminal Block
- -40°C to 75°C operating temperature range



### 8-Port Fast Ethernet Industrial Switch

IES-0830

- Alarms for power and port link failure by relay output
- Supports DIP switch configuration for link down alarm
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with EN50121-4 environmental requirement for Railway application
- Redundant power inputs with Terminal Block and DC Jack
- Supports 12 to 48V DC power inputs



## 8-Port Fast Ethernet Industrial Switch

IES-0831

- 6 Fast Ethernet ports and 2 Fast Ethernet fiber ports
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power and port link failure by relay output
- Supports DIP switch configuration for link down alarm
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61850-3 and IEEE1613 for power substation automation systems
- Complies with EN50121-4 for railway application



## 10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1070

- 8 Fast Ethernet ports and 2 Gigabit ports
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- IEEE 802.1x Access Control to improve network security
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -20°C to 70°C operating temperature range



## 10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1071

- 8 Fast Ethernet ports and 2 Gigabit SFP slots
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- IEEE 802.1x Access Control to improve network security
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -20°C to 70°C operating temperature range



## 10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1080

- 8 Fast Ethernet ports and 2 Gigabit ports
- Complies with NEMA TS2 for traffic control equipment
- Complies with EN50121-4 for railway application
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -40°C to 85°C operating temperature range



## 10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1081

- 8 Fast Ethernet ports and 2 Gigabit SFP slots
- Complies with NEMA TS2 for traffic control equipment
- Complies with EN50121-4 for railway application
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -40°C to 85°C operating temperature range



## 16-Port Fast Ethernet Industrial Switch

IES-1610

- Provides flexibility of 16 x 10/100BASE-TX ports
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- -20°C to 70°C operating temperature range
- Provides DIN-rail, panel or rack mounting
- Complies with IEC61000-6-2 for industrial environment



### 16-Port Fast Ethernet Industrial Switch

IES-1611

- 15 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Multi-mode fiber with SC connector for transmission of up to 2km
- Alarms for power failure by relay output
- -20°C to 70°C operating temperature range
- Provides DIN-rail, panel or rack mounting
- Complies with IEC61000-6-2 for industrial environment



### 16-Port Fast Ethernet Industrial Switch

IES-1620

- Provides flexibility of 16 x 10/100BASE-TX ports
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



### 16-Port Fast Ethernet Industrial Switch

IES-1621

- 15 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- Provides DIN-rail, panel or rack mounting
- Complies with NEMA TS2 for traffic control equipment
- -40°C to 85°C operating temperature range



### 18-Port L2 Managed Fast Ethernet Industrial Switch

IES-1870

- 16 Fast Ethernet ports and 2 Gigabit ports
- Supports α-ring and RSTP/MSTP/STP for Ethernet redundancy
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based and 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- -20°C to 70°C operating temperature range



### 18-Port L2 Managed Fast Ethernet Industrial Switch

IES-1880

- 16 Fast Ethernet ports and 2 Gigabit ports
- Supports α-ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based and 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Complies with NEMA TS2 for traffic control equipment
- -40°C to 85°C operating temperature range



### 28-Port Modular L2 Managed Fast Ethernet Industrial Switch

IES-2892

- Support up to 24/18 Fast Ethernet RJ45/Fiber (SC Multi-mode) ports and 4 Gigabit RJ45/SFP combo ports
- Supports α-ring and RSTP/MSTP/STP for Ethernet redundancy and GOOSE Message
- Zero Packet Loss pass by GOOSE Message
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Complies with IEC61850-3/IEEE1613 for power substations and EN50121-4 for railway applications
- -40°C to 85°C operating temperature range





## 6-Port Gigabit Industrial Switch

IES-0600

- 5 Gigabit ports with 1 shared SFP slot and 1 Gigabit SFP slot
- -40°C to 75°C operating temperature range
- IP30 metal case
- Supports 9 to 56V DC power inputs
- Redundant power inputs with Terminal Block



## 8-Port L2 Managed Gigabit Industrial Switch

IES-0880

- Supports a-ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IEEE 802.1p QoS with 4 priority queues
- MAC-based trunking with automatic link failover
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- IEEE 802.1x Access Control to improve network security
- -40°C to 75°C operating temperature range



## 8-Port L3 Lite Managed Gigabit PoE Industrial Switch

IGP-0871

- 4 Gigabit PoE ports, 2 Gigabit ports and 2 Gigabit SFP slots
- Total PoE power budget: 120W, up to 30W per port
- Supports IPv4/IPv6 network operation
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



## 12-Port L3 Lite Managed Gigabit PoE Industrial Switch

IGP-1271

- 8 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 240W, up to 30W per port
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



## 12-Port L3 Lite Managed Gigabit Industrial Switch

IGU-1271

- 8 Gigabit PoE ports and 4 Gigabit SFP slots
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



### RJ45 to SFP Managed Fast Ethernet Media Converter

FVM-1000

- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Web-based and SNMP Management
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)



### RJ45 to SC Managed Fast Ethernet Media Converter

FVM-1101

- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Web-based and SNMP Management
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)



### RJ45 to SC Managed Fast Ethernet Media Converter

FVM-1220

- Single-mode fiber with SC connector for transmission of up to 20km
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)



### RJ45 to SC Fast Ethernet Media Converter

FVT-0103TXFC

- 10/100BASE-TX UTP to 100BASE-FX fiber media conversion
- Multi-mode transmission over fiber, up to 2 km
- High-quality SC optical fiber connector port
- Complies with IEEE 802.3af PoE standard as a PD device
- Over-current protection and under-current detection
- DIP Switch for customized configurations



### RJ45 to SC Fast Ethernet Media Converter

FVT-0104TXFC

- Single-mode fiber transmission, up to 20 km
- 10/100BASE-TX UTP to 100BASE-FX fiber media conversion
- High-quality SC optical fiber connector port
- Complies with IEEE 802.3af PoE standard as a PD device
- Over-current protection and under-current detection
- DIP Switch for customized configurations



### RJ45 to SC Fast Ethernet Media Converter

FVT-0203TXFC

- IEEE 802.3af PoE PSE with 15.4W power budget
- 10/100BASE-TX UTP to 100BASE-FX copper to fiber media converter
- Multi-mode fiber transmission up to 2 km
- High-quality SC connector
- Link-loss-forwarding
- Provides Link Fault Pass and Far End Fault
- DIP Switch for customized configuration
- Internal power supply



### RJ45 to SC Fast Ethernet Media Converter

FVT-0204TXFC

- IEEE 802.3af PoE PSE with 15.4W power budget
- 10/100BASE-TX UTP to 100BASE-FX copper to fiber media converter
- Single-mode fiber transmission, up to 20 km
- High-quality SC connector port
- Link-Loss-Forwarding
- Provides Link Fault Pass and Far End Fault
- DIP Switch for customized configuration
- Internal AC power supply



### RJ45 to SC Fast Ethernet Media Converter

FVT-2001

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to ST Fast Ethernet Media Converter

FVT-2002

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with ST connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SC Fast Ethernet Media Converter

FVT-2201

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 20km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SC BIDI Fast Ethernet Media Converter Set

FVT-2202

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range
- Single-mode fiber with BIDI SC connector for transmission of up to 20km



### RJ45 to SC Fast Ethernet Media Converter

FVT-2401

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 40km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SFP Managed Gigabit Media Converter

GVM-1000

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms



### RJ45 to SC Managed Gigabit Media Converter

GVM-1101

- Multi-mode fiber with SC connector for transmission of up to 500m
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms



### RJ45 to SC Managed Gigabit Media Converter

GVM-1220

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms



### RJ45 to SFP Gigabit Media Converter

GVT-2000

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SC Gigabit Media Converter

GVT-2001

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 1000Base-SX Multi-mode fiber for the link up to 550m
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SFP Gigabit Media Converter

GVT-2010

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- IEEE 802.3af PoE PD that can be powered by PoE PSE or external power supply
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



### RJ45 to SFP Gigabit Media Converter Switch

GVT-2011

- 1 Gigabit Ethernet port and 2 Gigabit SFP slots
- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports low-time lag transmission
- -10°C to 55°C operating temperature range



### Ethernet over VDSL2 Converter

VDS-0110 (SENDER)  
VDS-0111 (RECEIVER)

- Features selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 350m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



### Ethernet over VDSL2 Converter (PSE)

VDS-0120

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- IEEE 802.3af PoE PSE with 15.4W power budget



### Ethernet over VDSL2 Converter (PD)

VDS-0130

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- Power support: PoE (IEEE 802.3af)



### Ethernet over VDSL2 Converter (Annex A)

VDS-0200

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



### Ethernet over VDSL2 Converter (Annex B)

VDS-0201

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



### Ethernet over VDSL2 Converter (BNC Connection)

VDS-0202

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Provides 100Mbps downstream and 60Mbps upstream over 400m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- Supports a VDSL connection up to 2km over single coaxial cable



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1000

- Multi-mode fiber with SC connector for transmission of up to 2km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1020

- Single-mode fiber with SC connector for transmission of up to 20km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Redundant power inputs with Terminal Block and AC Jack



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1040

- Single-mode fiber with SC connector for transmission of up to 40km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Redundant power inputs with Terminal Block and AC Jack



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1100

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Multi-mode fiber for the link up to 2km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation





### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1120

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fiber for the link up to 20km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1140

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fiber for the link up to 40km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1800

- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- 100Base-FX Multi-mode fiber for the link up to 2km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1820

- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- 100Base-FX Single-mode fiber for the link up to 20km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1840

- Complies with IEC61850-3 and IEEE1613 for power substation automation systems
- Complies with NEMA TS1/TS2 for traffic control equipment
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case
- 100Base-FX Single-mode fiber for the link up to 40km



### RJ45 to SFP Fast Ethernet Industrial Media Converter

IEC-4000

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- -40°C to 75°C operating temperature range
- Provides DIN-rail or panel mounting
- ESD and surge protection



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-4001

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- -40°C to 75°C operating temperature range
- Provides DIN-rail or panel mounting
- ESD and surge protection



### RJ45 to ST Fast Ethernet Industrial Media Converter

IEC-4002

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with ST connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- ESD and surge protection
- Provides DIN-rail or panel mounting
- -40°C to 75°C operating temperature range



### RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-4301

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 30km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Provides DIN-rail or panel mounting
- -40°C to 75°C operating temperature range
- ESD and surge protection



### RJ45 to SFP Gigabit Industrial Media Converter

IEC-2000

- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- SFP slot supports pluggable Gigabit optic modules that enabling you to choose from a variety of transceiver
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



### RJ45 to SC Gigabit Industrial Media Converter

IEC-2001

- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 1000Base-SX Multi-mode fiber for the link up to 550m
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



### RJ45 to SC Gigabit Industrial Media Converter

IEC-2002

- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 1000Base-SX Multi-mode fiber for the link up to 2km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



## RJ45 to SFP Gigabit Industrial Media Converter

IGC-0101

- IEEE 802.3af/at PoE PSE with 30W power budget
- 9K jumbo frames to increase data transfer rates
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation



### 12-Port Fast Ethernet High Power PoE Injector Hub

POH-1260

- Centralized power distribution for PoE Powered Device (PD)
- Overvoltage/overcurrent/overtemperature/short circuit protection
- Total PoE power budget: 375W, up to 30W per port



### 12-Port Fast Ethernet PoE Injector Hub

POH-1250

- Centralized power distribution for PoE Powered Device (PD)
- Overvoltage/overcurrent/overtemperature/short circuit protection
- Total PoE power budget: 200W, up to 15.4W per port



### PoE Injector

POI-2002

- Up to 15.4W of PoE Power
- Minimize the need for a bulky power adapter and power line
- Delivering power and data to equipment via a single Ethernet cable
- Internal power supply
- High safety with surge protection
- Remote power feeding up to 100 meters
- PnP, Light Weight and compact size
- Unique interlocking feature for easy installation



### PoE Injector

POI-3002

- Remove the need for a bulky power adapter and power line
- Delivers power and data to equipment via a single Ethernet cable
- Remote power feeding up to 100m
- Unique interlocking feature for easy installation
- Surge protected to enhance safety
- Simple Plug and Play installation
- Compact, lightweight design
- Total PoE power budget: 30W, up to 30W per port



## PoE Injector

POI-4000

- 56 Watt High-Power PSE Power Injector
- Sends Power over Ethernet to remote devices
- Ethernet 100Mbps Wire Speed
- Simple to install-plug & play
- Power Protection: OCP, OVP



## Gigabit PoE Injector, 802.3af PoE

POI-2001

- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af PoE PSE with 15.4W power budget
- Auto-detection and protection of non-standard PoE devices
- Unique interlocking feature for easy installation



## Gigabit PoE Injector

POI-3000

- IEEE 802.3af/at PoE PSE with 30W power budget
- Auto-detection and protection of non-standard PoE devices
- Unique interlocking feature for easy installation
- 10/100/1000Mbps wire speed transmission and reception



## Gigabit PoE Injector

POI-3004

- Remove the need for a bulky power adapter and power line
- Delivers power and data to equipment via a single Ethernet cable
- Remote power feeding up to 100m
- Unique interlocking feature for easy installation
- Surge protected to enhance safety
- Simple Plug and Play installation
- Compact, lightweight design
- Total PoE power budget: 30W, up to 30W per port



## Gigabit PoE Injector

POI-5001

- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 60W, up to 60W per port



## Industrial Gigabit PoE Injector

IGP-0101

- PoE ports can support the IEEE 802.3at standard and power up 30W devices
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



### Gigabit PoE Splitter

POS-1001

- Network devices at Gigabit speeds all within a compact device
- Reduce installation and network equipment costs
- Safeguards network device with short circuit protection
- Adjustable output DIP switch for 5V, 9V, and 12V adjustable output
- Converts Non-PoE devices with Power Over Ethernet Support
- Auto-sensing power drawn from 802.3af power source equipment(PSE) devices
- Supplies power up to 12.9 watts
- Provides Interchangeable tips



### Gigabit PoE Splitter

POS-3000

- Compact splitter supports Gigabit speeds
- Reduce installation and network equipment costs
- Safeguards network device with short circuit protection
- Adjustable DIP switch for 5V, 9V, or 12V output
- Intergrates Non-PoE devices with Power Over Ethernet support
- Auto-sensing power drawn from 802.3af / 802.3at power source equipment(PSE) devices
- Supplies power up to 25 watts
- Provides Interchangeable tips



### Fast Ethernet PoE Splitter

POS-1002

- IEEE 802.3af compliant
- Converts non-PoE devices with Power over Ethernet support
- DIP switch for 5V, 9V, and 12V adjustable output power
- Delivers power and data via a single Ethernet cable
- Eliminates the need for a bulky power adapter and powerline
- Compatible with Wireless Router, AP, Network Camera, Print Server, Converter
- Light weight and compact size
- Provides interchangeable tips



### PoE Repeater

POR-0100



- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range

### PoE Repeater

POR-0101



- Forwards 802.3af/802.3at/High-Power PoE to remote device
- Simple Plug and Play installation
- No additional power supply required

### PoE Repeater

POR-0102



- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range

### PoE Repeater

POR-0103



- Forwards 802.3af/802.3at/High-Power PoE to remote device
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required



### PoE Repeater

POR-0200

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



### PoE Repeater

POR-0202

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



### Gigabit PoE Repeater

POR-0120

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



### Gigabit PoE Repeater

POR-0122

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



### Gigabit PoE Repeater

POR-0220

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



### Gigabit PoE Repeater

POR-0222

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range





## PoE Repeater

POR-1100

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range



## PoE Repeater

POR-1102

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Weatherproof IP65-rated housing
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range



## PoE Repeater

POR-1200

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Weatherproof IP65-rated housing
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



## PoE Repeater

POR-1202

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Weatherproof IP65-rated housing
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



## Gigabit PoE Repeater

POR-1220

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- 10/100/1000Mbps wire speed transmission and reception
- Weatherproof IP65-rated housing
- Multiple PoE repeaters can be deployed by daisy chain to extend range
- Simple Plug and Play installation, no additional power supply required



## Gigabit PoE Repeater

POR-1222

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- 10/100/1000Mbps wire speed transmission and reception
- Weatherproof IP65-rated housing
- Multiple PoE repeaters can be deployed by daisy chain to extend range
- Simple Plug and Play installation, no additional power supply required



**PoE over Hybrid Cable Receiver, 1 PoE Output**

PFE-1001R



**PoE over Hybrid Cable Transmitter, 65W**

PFE-1001T



**PoE over Hybrid Cable Receiver, 4 PoE Outputs**

PFE-1004R



**PoE over Hybrid Cable Receiver, 1 PoE Output, Indoor/Outdoor**

PFE-1011R



**PoE over Hybrid Cable Receiver, 4 PoE Outputs, Indoor/Outdoor**

PFE-1014R



**PoE over Hybrid Cable Transmitter, 120W**

PFE-1101T

- Extend data and power up to 2km via a single Hybrid Fiber Cable
- Enable PoE devices to distant remote location
- Supporting high power consumption devices (up to 60W at 450m link)
- Flexible installation option - 1 or 4 PoE output receivers selectable
- Outdoor casing protects operation under wide temperature range (PFE-1011R/1014R)
- Outdoor weatherproof models are sustainable from water and dust (PFE-1011R/1014R)



### PoE over 2-wire Transmitter

POT-0100



### PoE over 2-wire Receiver

POT-0110



### PoE over 2-wire Receiver

POT-1110

- Two-wire cables are used to connect 100Mbps Fast Ethernet PoE devices
- Maximum distance up to 400 meters for 24 AWG cable
- Maximum data rate up to 60 Mbps full duplex
- Remote PoE capability for PD devices of WiFi AP, IP camera, IP telephones
- Up to 15 Watts for remote PoE, Depending on PSE power
- Easy installation by indoor & outdoor different models
- Dip Switches for 2-wire line rate settings
- Auto MDIX for 10/100 Base T Ethernet LAN Ports
- Low-Latency for Video/Voice/Data applications
- IP65 Weatherproof (POT-1110)



**2-Port USB VGA  
KVM Switch, audio  
support**

[KVM-0221](#)

- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



**2-Port USB KVM  
Switch**

[KVM-0222](#)

- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel



**2-Port USB VGA  
Cable KVM Switch,  
audio support**

[KVM-0223](#)

- 1 x wired QuickSwitch button for instant switching
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Windows and Mac switching software support
- USB 2.0 hub ports for keyboard, mouse or other high-speed USB devices
- VGA analog video up to 2048 x 1536 pixels
- Independent/simultaneous switching of PC and audio/mic channel
- User-definable hotkeys and universal hotkey for computer switching



**2-Port USB DVI-D  
Single Link Cable  
KVM Switch, audio  
support**

[KVM-0260](#)

- Supports high-video quality – DDC2B and 1920x1200 pixels
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Provides auto-scanning features and audio/microphone support
- Supports HDCP, High-Bandwidth Digital Content Protection
- Easy switching between computers with keyboard hotkeys
- Self powered through USB connection
- Simple Plug and Play installation



## 2-Port USB HDMI Cable KVM Switch

KVM-0290

- Supports high-video quality – DDC2B and 1920x1200 pixels
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Provides auto-scanning features
- Supports HDCP, High-Bandwidth Digital Content Protection
- Easy switching between computers with keyboard hotkeys
- Self powered through USB connection
- Simple Plug and Play installation



## 4-Port USB VGA KVM Switch, audio support

KVM-0421

- Control and manage 4 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



## 4-Port USB VGA KVM Switch

KVM-0422

- Control and manage 4 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



## 8-Port PS/2-USB VGA KVM Switch

KVM-0831

- Control and manage 8 computers or up to 120 computers via daisy chain function from a single location
- Supports video resolutions up to 1920 x 1440
- Built-in IP module slot for KVM-over-IP capability
- Provides auto-scanning features



## 16-Port PS/2-USB VGA KVM Switch

KVM-1631

- Control and manage 16 computers or up to 256 computers via daisy chain function from a single location
- Supports video resolutions up to 1920 x 1440
- Built-in IP module slot for KVM-over-IP capability
- Provides auto-scanning features



### 15" LCD KVM Rack Console

KVM-0115US (US KEYBOARD)  
KVM-0115DE (DE KEYBOARD)

- Bright Active Matrix TFT Display
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- 15 Language keyboard format and easy glide touchpad
- Durable Keyboards
- Support PS/2 and USB Console Interface
- Support DVI Interface
- Supports video resolutions of up to 1024 x 768



### 17" LCD KVM Rack Console

KVM-0117US (US KEYBOARD)  
KVM-0117DE (DE KEYBOARD)  
KVM-0117FR (FR KEYBOARD)

- Bright Active Matrix TFT Display
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- 15 Language keyboard format and easy glide touchpad
- Durable Keyboards
- Support PS/2 and USB Console Interface
- Support DVI Interface
- Supports video resolutions of up to 1280 x 1024



### 17" LCD Modular KVM Rack Console

KVM-0217US (US KEYBOARD)  
KVM-0217DE (DE KEYBOARD)

- Daisy chain up to 7 additional KVM switches to control up to 64/128 computers
- Provides dual support for USB, PS/2 computer interface
- Supports video resolutions of up to 1280x1024
- Two-layer security access with support for 8 unique profile user accounts
- KVM Management over LAN or Internet possible with connected LevelOne KVM Cat.5 or IP modules
- 300m Cat.5 remote console capable



### 19" Widescreen LCD KVM Rack Console

KVM-8901US (US KEYBOARD)  
KVM-8901DE (DE KEYBOARD)  
KVM-8901FR (FR KEYBOARD)  
KVM-8901UK (UK KEYBOARD)  
KVM-8901ES (ES KEYBOARD)

- Modular design for optional KVM switches, enabling management of up to 128 computers
- Dual Interface for PS/2 and USB keyboard/mouse
- Easy switching between computers with keyboard hotkeys/ On Screen Display (OSD) menus
- Auto scan mode for non-stop monitoring of selected computer
- Password protection prevents unauthorized access



### USB KVM Extender

KVM-9006

- A single, inexpensive Cat.5 or above UTP cable replaces bulky KVM cables
- Locate Cat.5 console up to 150m away from the KVM switch with superior auto-adjust RGB signals capability
- Collocate computers and servers on one location, ideal for hazardous or unsecured environments
- Switch computers by push button or hotkey commands
- Audible feedback when switching
- LED indicators for computer status or data transmission
- 3-in-1 space saving design
- Work with PS/2 or USB computer
- Easy to install and use with plug-and play functionality



### Parallel Print Server

FPS-1031

- Parallel print server for network print sharing
- Simple setup with user-friendly interface
- Support multiple network printing protocols
- Support multiple operating systems



### USB Print Server

FPS-1032

- USB print server for network print sharing
- USB 2.0 interface
- Simple setup with user-friendly interface
- Support multiple network printing protocols
- Support multiple operating systems



IP SURVEILLANCE







### Fixed IP Network Camera

FCS-0032

- 3-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)
- Supports 2 video streams simultaneously



### Fixed IP Network Camera

FCS-0051

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-1150 (3-MEGAPIXEL)  
FCS-1160 (5-MEGAPIXEL)

- Built-in Micro SDHC/SDXC card slot for local storage
- 3/5-Megapixel high-definition resolution
- Supports 12X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-1153

- 5-Megapixel high-definition resolution
- Built-in Micro SDHC/SDXC card slot for local storage
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3053

- 3-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 20m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3054

- Built-in Micro SDHC/SDXC card slot for local storage
- 3-Megapixel high-definition resolution
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3055

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3056

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Built-in Micro SDHC/SDXC card slot for local storage
- 3-Megapixel high-definition resolution
- Vandal-proof IK09-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3063

- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3064

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK09-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3065

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3073

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Removable IR-cut filter for day and night surveillance
- Supports IPv4/IPv6 network operation
- Vandal-proof IK10-rated housing
- Built-in Micro SD/SDHC card slot for local storage



### Fixed Dome IP Network Camera

FCS-3082 (3-MEGAPIXEL)  
FCS-3083 (5-MEGAPIXEL)

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- 3/5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3084

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Provides IR correction feature suitable for day and night viewing
- Supports IPv4/IPv6 network operation
- Vandal-proof IK10-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m



### Fixed Dome IP Network Camera

FCS-3085

- 4-Megapixel high-definition resolution
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Power support: PoE (IEEE 802.3af)
- Video compression: H.264/MJPEG
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP66-rated housing
- Supports motion detection (Intrusion/camera tampering/line crossing) and event notification



### Fixed Dome IP Network Camera

FCS-3086

- 4-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage



### Fixed Dome IP Network Camera

FCS-3087

- 5-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing



### Fixed Dome IP Network Camera

FCS-3090

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Vandal-proof IK10-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP67-rated housing



### Panoramic Dome IP Network Camera

FCS-3092

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Panoramic Dome IP Network Camera

FCS-3093

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP68-rated housing
- 5-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Shockproof for rolling stock application
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



### Panoramic Dome IP Network Camera

FCS-3094

- Built-in Micro SDHC/SDXC card slot for local storage
- 10-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Video compression: H.264/MJPEG



### Fixed Dome IP Network Camera

FCS-3096

- 8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Weatherproof IP67-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3097 (5-MEGAPIXEL)  
FCS-3098 (8-MEGAPIXEL)

- 5/8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3302

- H.265/264, 3-Megapixel, 802.3af PoE, IR LEDs, Vandalproof, two-way audio, Indoor/Outdoor
- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265/MPEG4
- Vandal-proof IK10-rated housing
- Built-in Micro SD/SDHC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Built-in infrared LEDs for night viewing up to 5m
- Weatherproof IP66-rated housing



### Fixed Dome IP Network Camera

FCS-3303

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Built-in infrared LEDs for night viewing up to 20m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3304

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed Dome IP Network Camera

FCS-3305

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Supports 2.8X optical zoom
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Weatherproof IP66-rated housing



### Fixed Dome IP Network Camera

FCS-3306

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP68-rated housing



### Fixed Dome IP Network Camera

FCS-3307

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP68-rated housing
- Vandal-proof IK10-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### PTZ Dome IP Network Camera

FCS-4042

- 2-Megapixel (1920 x 1080) high-definition resolution
- 360° pan and 190° tilt movements allow for a wide range of monitoring angles
- Supports 30X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Features 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition
- 3D privacy masks for private area protection
- Removable IR-cut filter for day and night surveillance
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 24V AC/PoE (IEEE 802.3at)
- Weatherproof IP67-rated housing



### PTZ Dome IP Network Camera

FCS-4043 (3-MEGAPIXEL)  
FCS-4044 (5-MEGAPIXEL)

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP66-rated housing
- 3/5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Supports 350° pan, 180° tilt and 10X optical zoom
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance



### PTZ IP Network Camera

FCS-4047

- 4-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Supports 30X optical zoom
- Built-in infrared LEDs for night viewing up to 150m
- Weatherproof IP66-rated housing
- Triple power support: 12V DC/24V AC/PoE (IEEE 802.3at 60W)
- 90° pan and 60° tilt movements allow for a wide range of monitoring angles



### PTZ IP Network Camera

FCS-4048

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Supports 33X optical zoom
- Built-in infrared LEDs for night viewing up to 150m
- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- 360° pan and 220° tilt movements allow for a wide range of monitoring angles
- Triple power support: 12V DC/24V AC/PoE (IEEE 802.3at 60W)



### PTZ IP Network Camera

FCS-4051

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Built-in infrared LEDs for night viewing up to 100m
- Built-in Micro SD/SDHC card slot for local storage
- Supports 20X optical zoom
- Dual power support: 12V DC/PoE (IEEE 802.3at)
- Weatherproof IP66-rated housing
- 360° pan and 105° tilt movements allow for a wide range of monitoring angles



## PT IP Network Camera

FCS-4103

- 4-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Built-in Micro SD/SDHC card slot for local storage
- Built-in infrared LEDs for night viewing up to 10m
- Removable IR-cut filter for day and night surveillance
- Provides wireless speed up to 150Mbps
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- 180° pan and 75° tilt movements allow for a wide range of monitoring angles



## Fixed Dome IP Network Camera

FCS-4203

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/H.265/MJPEG
- Supports 4.3X optical zoom
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Power support: PoE (IEEE 802.3af)
- Built-in Micro SD/SDHC card slot for local storage
- Weatherproof IP67-rated housing



## Fixed IP Network Camera

FCS-5053

- Weatherproof IP66-rated housing
- 3-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 20m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



## Fixed IP Network Camera

FCS-5054

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP68-rated housing
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



## Fixed IP Network Camera

FCS-5055

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP67-rated housing
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Supports 12X optical zoom
- Built-in infrared LEDs for night viewing up to 40m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)



## Fixed IP Network Camera

FCS-5056

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP68-rated housing
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5057

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP66-rated housing
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5058

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Supports IPv4/IPv6 network operation
- Removable IR-cut filter for day and night surveillance
- Built-in Micro SD/SDHC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m



### Fixed IP Network Camera

FCS-5059

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Supports motion detection (Intrusion/camera tampering/line crossing) and event notification



### Fixed IP Network Camera

FCS-5060

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- Supports 4X optical zoom



### Fixed IP Network Camera

FCS-5063

- Weatherproof IP68-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5064

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Weatherproof IP66-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)





## Fixed IP Network Camera

FCS-5065

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP67-rated housing
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Supports 12X optical zoom
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 40m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)



## Fixed IP Network Camera

FCS-5067

- 4-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Built-in infrared LEDs for night viewing up to 30m
- Power support: PoE (IEEE 802.3af)
- Features 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP66-rated housing



## Fixed IP Network Camera

FCS-5068

- 5-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- Weatherproof IP66-rated housing
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance



## Fixed IP Network Camera

FCS-5092 (5-MEGAPIXEL)  
FCS-5093 (8-MEGAPIXEL)

- 5/8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 50m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage



## Fixed IP Network Camera

FCS-5094

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP67-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3at)



## Fixed IP Network Camera

FCS-5095

- 8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3at)



### Fixed IP Network Camera

FCS-5101

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5102

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- BNC connector for analog video output
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Supports 4.3X optical zoom
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5103

- 5-Megapixel high-definition resolution
- Supports 2.8X optical zoom
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- BNC connector for analog video output
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



### Fixed IP Network Camera

FCS-5104

- 3-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 15m
- Video compression: H.264/H.265/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Weatherproof IP66-rated housing



### 16-Channel Network Video Recorder

NVR-0316

- Display mode: Live view/playback/full screen
- Free bundled NVR management software for managing up to 16 NVR devices
- Manage and control up to 16 network cameras
- Motion detect and event display on e-map/Google map
- Resolution: 5-Megapixel/3-Megapixel/Full HD/Megapixel/FD1/CIF/QCIF
- Supports 1080p HDMI local display
- Supports PTZ/preset point/preset sequence
- Supports smart camera search and 2-way audio
- 2 x 3.5 inch disk slot (up to 2 x 4TB)



### 32-Channel Network Video Recorder

NVR-0437

- Supports video resolutions up to 6 megapixels
- Display mode: Live view/playback/full screen
- Supports smart camera search and 2-way audio
- Supports PTZ/preset point/preset sequence
- Supports iPhone/Android phone remote viewing over the Internet
- 4 x 3.5" hard drive bays support disk capacity of up to 6TB



### 4-Channel PoE Network Video Recorder

NVR-0504

- Video compression: H.264/H.265
- Supports 4k2k HDMI local display
- 1 x 3.5" hard drive bay supports disk capacity of up to 6TB
- Built-in 4 PoE ports for PoE devices
- Supports video resolutions up to 8 megapixels



### 8-Channel PoE Network Video Recorder

NVR-0508

- Supports video resolutions up to 8 megapixels
- Supports 4k2k HDMI local display
- Built-in 8 PoE ports for PoE devices
- 2 x 3.5" hard drive bays support disk capacity of up to 6TB
- Video compression: H.264/H.265/MPEG4
- Built



## Network Video Recorder

NVR-1204 (4-CHANNEL)  
NVR-1209 (9-CHANNEL)  
NVR-1216 (16-CHANNEL)

- Free CMS (Central Management System) software with 64-channel license
- Supports video resolutions up to 10 megapixels
- Supports 4-Megapixel HDMI local display
- Live view of up to 4/9/16 channels
- 2 x 3.5" hard drive bays support disk capacity of up to 4TB
- Supports motion detection and event notification via e-mail or FTP
- Supports PTZ/preset point/preset sequence
- Motion detect and event display on e-map



## 16-Channel Network Video Recorder

NVR-1316

- Supports video resolutions up to 12MP
- Video compression: H.264/H.265/MPEG4
- Supports 4k2k HDMI local display
- Display mode: Live view/playback/full screen
- 4 x 3.5" hard drive bays support disk capacity of up to 6TB



## 200-Channel Network Video Recorder

NVR-5500

- Video compression: H.264/MPEG-4/MJPEG
- Provides RAID (0/1/5/6/10) technology for advanced data security and improved performance
- Supports 1080p HDMI local display
- Supports PTZ/preset point/preset sequence
- Motion detect and event display on e-map
- 8 x 3.5" hard drive bays support disk capacity of up to 6TB
- Free CMS (Central Management System) software with 64-channel license



## 4-Channel Video Encoder, 802.3af PoE

FCS-7004

- Supports 2 video streams simultaneously
- Video compression: H.264/MJPEG
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Built-in Micro SD/SDHC/SDXC card slot for local storage
- Supports RS-485/422 serial communication



### OneSecure Central Management System

FCS-9300

- Manage unlimited number of NVR servers
- Live view local up to 64 Channels
- Synchronized playback local up to 64 Channels
- Export video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap
- TV Wall support by additional software license



### OneSecure Surveillance Management Software

FCS-9364

- Free bundle 64 Channels. License fee is required to unlock additional channel - Maximum up to 100 Channels total.
- Recording up to 100 Channels
- Live view local up to 100 Channels, remote up to 100 Channels
- Synchronized playback local up to 100 Channels
- Export video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap
- Smart search function
- Non-Level1 camera supported via licensed Camera Device Pack - license fee is required



### IP CamSecure Pro Mega Surveillance Software

FCS-9464 (64-CHANNEL)

- Monitor up to 64 channels simultaneously
- Dual monitor supported for live view and playback simultaneously
- "Smart guard" event analysis and instant response to monitor larger areas more efficiently
- "Smart search" for easy locating of recorded events as well as multi-events viewer and filter
- "Counting application" for objects amount control
- Supports Web-based and 3G mobile remote monitoring
- Broadcast live video over the Internet for remote viewing
- Support both digital and analogue cameras in one system
- Control pan/tilt/zoom features on cameras



### IP CamSecure Central Management System

FCS-9900

- Client-server distributed architecture & centralized management
- Access and control unlimited cameras, I/O devices, operator clients and display matrices
- Unlimited layers of E-map indicates cameras, I/O devices and server locations
- Multiple servers can be located at multiple sites
- H.264, MPEG4, MJPEG, and MxPEG video compressions
- Real time alarm management and instruct the operator to respond
- Unlimited Matrix display wall that stream and display live video from LevelOne IP CamSecure Pro Surveillance Management Software



DIGITAL SIGNAGE



### HDMI over IP PoE Receiver

HVE-6501R



### HDMI over IP PoE Transmitter

HVE-6501T

- Flexible and scalable HDMI 1080p High Quality Video Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant
- Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Dual power input: 802.3af compliant PoE & DC5V
- Up to 16 transmitters and more than 200 receivers possible in a single system
- Multicasting group with Gigabit Ethernet switch via 802.1Q VLAN and IGMP
- Built-in DIP switch to change Group ID and Utility for remotely
- Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- RS-232 Control Pass-Thru to control HDMI display from transmitter side
- Plug and Play installation, free bundle utility for advance setting



### HDMI Video Wall over IP PoE Receiver

HVE-6601R



### HDMI Video Wall over IP PoE Transmitter

HVE-6601T

- Flexible and scalable HDMI 1080p Video Wall Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Up to 8 transmitters and 64 receivers possible in a single Video Wall system
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant
- Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Dual power input: 802.3af compliant PoE & DC5V
- Multicasting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- Built-in DIP switch to change Group ID and Utility for remotely
- RS-232 Control Pass-Thru to control HDMI display from transmitter side
- Plug and Play installation, free bundle utility for advance setting





### HDSpider™ HDMI over Cat.5 Long Range Receiver

HVE-9000



### HDSpider™ HDMI over Cat.5 Transmitter

HVE-9001



### HDSpider™ HDMI over Cat.5 Transmitter with Local HDMI Output

HVE-9002



### HDSpider™ HDMI over Cat.5 Transmitter, Cascadable

HVE-9003



### HDSpider™ 4-Port HDMI over Cat.5 Transmitter

HVE-9004



### HDSpider™ 8-Port HDMI over Cat.5 Transmitter

HVE-9008



### HDSpider™ HDMI over Cat.5 Short Range Receiver

HVE-9900

- Works with Cat.5, Cat.5e, Cat.6 Ethernet cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep color enables display with more natural and vivid colors
- HDMI 1.3c compliant



**HDMI over Cat.5  
Extender Kit**

HVE-9005

- Support HDMI Deep Color & full 3D & 4K2K@30 (HDBaseT-Lite technology)
- Extend the transmission up to 60m (198ft) from the HDMI source at Full HD 1080p 48-bit and 40m (130ft) at 4K2K@30
- HDCP & EDID Bypass, CEC support, Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Support full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR pass-through
- Wall mounting housing design for easy and robust installation



**HDMI over Cat.5  
Extender Kit, 300m,  
4K2K**

HVE-9100



**HDMI over Cat.5  
Receiver, 300m,  
4K2K**

HVE-9111R



**HDMI over Cat.5  
Receiver, 300m, Full  
HD 1080P**

HVE-9111RF



**HDMI over Cat.5  
Transmitter, 300m**

HVE-9111T



**HDMI over Cat.5  
Transmitter, 300m,  
4 Channel Outputs**

HVE-9114T



**HDMI over Cat.5  
Transmitter, 300m,  
8 Channel Outputs**

HVE-9118T

- Transmission distance of up to 300m for 1080P resolution
- HDMI outputs with EDID management
- Screw-in power socket for added safety



### HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs

[HVE-9214T](#)

- Simple Plug and Play installation
- Built-in EDID Hot Plug Detection (HPD)
- HDMI outputs with EDID management
- Transmission distance of up to 100m for HDMI(4k2k), IR and RS-232
- Bi-Directional RS-232 pass through and IR control
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 30Hz
- HDMI and HDCP complaint
- Supports Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio
- Supports 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety



### HDMI over Cat.5 Extender Kit, HDBaseT, 100m

[HVE-9200](#)



### HDMI over Cat.5 Extender Kit, HDBaseT, 100m, 802.3af PoE

[HVE-9200P](#)



### HDMI over Cat.5 Receiver, HDBaseT, 100m, 802.3af PoE

[HVE-9211PR](#)



### HDMI over Cat.5 Receiver, HDBaseT, 100m

[HVE-9211R](#)



### HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs, 802.3af PoE

[HVE-9214PT](#)

- IEEE 802.3af PoE compliant to simplify deployment and installation
- Simple Plug and Play installation
- Built-in EDID Hot Plug Detection (HPD)
- HDMI outputs with EDID management
- Transmission distance of up to 100m for HDMI(4k2k), IR and RS-232
- Bi-Directional RS-232 pass through and IR control
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 30Hz
- HDMI and HDCP complaint
- Supports Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio
- Supports 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety



## Digital Signage Station

DSS-1000

- Display video or slide show on signage channels through the digital signage software
- Supports video resolutions up to 10 megapixels
- Supports 1080p HDMI local display
- Live view of up to 16 channels
- BNC connector for analog video output
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- VESA standards compliant



ACCESSORY





### Box Camera Housing

BOH-1400

- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



### Box Camera Housing

BOH-1401

- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



### Box Camera Housing

BOH-1410

- Weatherproof IP66-rated housing
- FEVE coating application enhance UV and acid protection
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



### Box Camera Housing

BOH-1411

- Weatherproof IP66-rated housing
- FEVE coating application enhance UV and acid protection
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



## Dome Camera Housing

DOH-1000

- Designed for Indoor/outdoor applications
- IP66 rated camera outdoor dome housing
- Lightweight for Mounting on the wall
- Easy access for service and installation
- Withstands severe weather
- Low Cost



## Dome Camera Housing

DOH-1100

- Heavy-duty aluminium dome for outdoor and indoor installation
- 2-layer dome design keeps cameras cool
- Special fluorocarbon coating resists harsh acids and bases (i.e. salt water)
- Auto-sensing fan and heater for internal temperature control
- Vandal-proof polycarbonate cover
- IP-66 rated protection level



## Varifocal Lens

CAS-1300

- Megapixel 1/3" CCD high-definition (HD) resolution
- 2.8-8.5 mm adjustable Vari-focal length for wide angle surveillance
- F-1.4 Auto-iris automatic lighting control for high image quality
- Provides IR correction feature suitable for day and night viewing



## Varifocal Lens

CAS-1400

- 2-Megapixel (1600 x 1200) high-definition resolution
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- F-1.4 Auto-iris automatic lighting control for high image quality
- Provides IR correction feature suitable for day and night viewing



### 10Gbps SFP Direct Attach Copper Cable

DAC-0101 (1M)  
DAC-0103 (3M)  
DAC-0105 (5M)

- Twinax
- Support for multi-gigabit data rates up to 10.5Gbps
- Data rates backward compatible to 1Gbps
- Hot-pluggable SFP 20PIN footprint
- I/O Connector designed for high speed differential signal applications
- Improved Pluggable Form Factor(IPF) compliant for enhanced EMI/EMC performance
- Compatible to SFP+ MSA
- Temperature Range: 0~ 70 °C
- RoHS Compatible



### 1.25Gbps Multi-mode SFP Transceiver

GVT-0300

- Small Form Factor Pluggable MSA compliant
- For Multi-mode Applications
- Up to 850nm & 1.25Gbps
- Compliant for IEEE802.3z Gigabit Ethernet
- Easy to install and Hot-pluggable
- Connect switches up to 550m away with each other
- Single 3.3V power supply
- Duplex LC Connector
- TTL signal detect indicator
- EEPROM with serial ID functionality



### 1.25Gbps Single-mode SFP Transceiver

GVT-0301

- Connect switches up to 10km away with each other
- TTL signal detect indicator
- Compliant with IEEE802.3z Gigabit Ethernet
- Easy to install and hot-swappable
- Differential LVPECL input and output
- Single 3.3V power supply
- Duplex LC connector



### 1.25Gbps Single-mode SFP Transceiver

GVT-0302

- Connect switches up to 80km away with each other
- TTL signal detect indicator
- Compliant with IEEE802.3z Gigabit Ethernet
- Easy to install and hot-swappable
- Differential LVPECL input and output
- Single 3.3V power supply
- Duplex LC connector





**155Mbps Single-mode SFP Transceiver, 20km**

SFP-1311

- 1310nm FP LD
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Duplex LC Connector
- Compliance with 100Base-FX of IEEE802.3u Standard
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**155Mbps Single-mode SFP Transceiver, 40km**

SFP-1411

- 1310nm FP LD
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Duplex LC Connector
- Compliance with 100Base-FX of IEEE802.3u Standard
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**125Mbps Multi-mode Industrial SFP Transceiver, 2km**

SFP-2100

- Provides duplex LC connector
- Compliant with Fast Ethernet standard
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



**125Mbps Multi-mode Industrial SFP Transceiver, 2km**

SFP-2200

- Provides duplex LC connector
- Compliant with Fast Ethernet standard
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



**125Mbps Single-mode Industrial SFP Transceiver**

SFP-2230 (30KM)  
SFP-2260 (60KM)  
SFP-2280 (80KM)

- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**125Mbps Single-mode Industrial SFP Transceiver**

SFP-2300 (20KM)  
SFP-2310 (100KM)  
SFP-2320 (120KM)

- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**1.25Gbps Multi-mode SFP Transceiver, 550m**

SFP-3001

- Provides duplex LC connector
- 3.3V Single power supply
- IEEE 802.3z Gigabit Ethernet compliant
- Hot-swappable
- RoHS compliant and Lead Free
- Operating temperature: 0°C to 70°C
- Supports DDMI SFP transceiver



**1.25Gbps Multi-mode SFP Transceiver, 2km**

SFP-3111

- 1310nm FP LD
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Duplex LC Connector
- Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode SFP Transceiver, 10km**

SFP-3211

- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Comply with SFP Multi-Sourcing Agreement (MSA) to work in MSA compliant devices
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Operating temperature: 0°C to 70°C
- Supports DDMI SFP transceiver



**1.25Gbps Single-mode SFP Transceiver**

SFP-3611 (80KM)

SFP-3711 (120KM)

- 1550nm DFBLD
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Duplex LC Connector
- Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fibre Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Copper SFP Transceiver, 100m**

SFP-3841

- Up to 1.25Gbps bi-directional data links
- Hot-pluggable SFP footprint
- Extended cased temperature range(0°C to +70 °C)
- Fully metallic enclosure for low EMI
- Low power dissipation (1.05 W typical)
- Compact RJ-45 connector assembly
- Access to physical layer IC via 2-wire serial bus
- 1000 BASE-T operation in host systems with SERDES interface



**1.25Gbps Multi-mode Industrial SFP Transceiver, 550m**

SFP-4200

- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



### 1.25Gbps Single-mode Industrial SFP Transceiver

SFP-4210 (10KM)  
SFP-4240 (40KM)

- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



### 1.25Gbps Single-mode Industrial SFP Transceiver, 70km

SFP-4270

- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



### 1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 10km

SFP-4310

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



### 1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 10km

SFP-4320

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



### 1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 20km

SFP-4330

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



### 1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 20km

SFP-4340

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 40km**  
SFP-4350

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 40km**  
SFP-4360

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 60km**  
SFP-4370

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 60km**  
SFP-4380

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



**10Gbps Multi-mode SFP Transceiver, 300m**  
SFP-6101

- High-quality 10Gbase short range SFP-Plus transceiver
- Comply with SFP Multi-Sourcing Agreement (MSA) to work in MSA compliant devices
- Supports Digital Optical Monitoring (DOM) and Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- Operating temperature: 0°C to 70°C



**10Gbps Single-mode SFP Transceiver, 10km**  
SFP-6121

- Comply with SFP Multi-Sourcing Agreement (MSA) to work in MSA compliant devices
- Supports Digital Optical Monitoring (DOM) and Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- Operating temperature: 0°C to 70°C



**10Gbps Single-mode SFP Transceiver, 40km**

SFP-6141

- Comply with SFP Multi-Sourcing Agreement (MSA) to work in MSA compliant devices
- Supports Digital Optical Monitoring (DOM) and Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- Operating temperature: 0°C to 70°C



**155Mbps Single-mode BIDI SFP Transceiver, 20km**

SFP-7321

- TX 1310nm / RX 1550nm
- Data Rate: 125~155Mbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Compliant with SFF-8472 Digital Diagnostic Monitoring Interface
- Single LC Connector
- Compliance with specifications for IEEE802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard



**155Mbps Single-mode BIDI SFP Transceiver, 20km**

SFP-7331

- TX 1550nm / RX 1310nm
- Data Rate: 125~155Mbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Compliant with SFF-8472 Digital Diagnostic Monitoring Interface
- Single LC Connector
- Compliance with specifications for IEEE802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard



**155Mbps Single-mode BIDI SFP Transceiver, 40km**

SFP-7421

- TX 1310nm / RX 1550nm
- 1310nm FP LD
- Data Rate: 125~155Mbps, NRZ
- Single +3.3V Power Supply
- RoHS Compliant and Lead-free
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Compliant with SFF-8472 Digital Diagnostic Monitoring Interface
- Single LC Connector
- Compliance with specifications for IEEE802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard



**155Mbps Single-mode BIDI SFP Transceiver, 40km**

SFP-7431

- TX 1550nm / RX 1310nm
- Data Rate: 125~155Mbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Compliant with SFF-8472 Digital Diagnostic Monitoring Interface
- Single LC Connector
- Compliance with specifications for IEEE802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard



**1.25Gbps Single-mode BIDI SFP Transceiver, 10km**

SFP-9221

- TX 1310nm / RX 1550nm
- Multi Data Rate: 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
- Single LC Connector
- Compliance with specifications for IEEE802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode BIDI SFP Transceiver, 10km**

SFP-9231

- TX 1550nm / RX 1310nm
- Multi Data Rate: from 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Single LC Connector
- Compliance with specifications for IEEE802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode BIDI SFP Transceiver, 20km**

SFP-9321

- TX 1310nm / RX 1550nm
- Multi Data Rate: from 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Simplex LC Connector
- Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode BIDI SFP Transceiver, 20km**

SFP-9331

- TX 1550nm / RX 1310nm
- Multi Data Rate: from 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Simplex LC Connector
- Compliance with specifications for IEEE802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode BIDI SFP Transceiver, 40km**

SFP-9421

- TX 1310nm / RX 1550nm
- Multi Data Rate: 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Single LC Connector
- Compliance with specifications for IEEE802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**1.25Gbps Single-mode BIDI SFP Transceiver, 40km**

SFP-9431

- TX 1550nm / RX 1310nm
- Multi Data Rate: 125M to 1.25Gbps, NRZ
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Single LC Connector
- Compliance with specifications for IEEE802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



**10Gbps Single-mode XFP Transceiver, 10km**

XFP-5211

- 10Gbps serial optical interface compliant to 802.3ae
- Uncooled 1310nm DFB transmitter and Pin photodiode receiver
- XFI High Speed Electrical Interface
- 2-wire interface for management and digital diagnostic monitor
- Operating case temperature: -5°C~75°C
- All-metal housing for superior EMI performance
- Advanced firmware allows customer system encryption information to be stored in transceiver



## 10Gbps Multi-mode XFP Transceiver, 300m

XFP-5901

- Hot Pluggable
- XFI Electrical interface
- Operating case temperature: -5°C ~75°C
- Optical interface compliant to IEEE802.3ae
- 850nm VCSEL transmitter, PIN photo-detector
- All-metal housing for superior EMI performance
- Advanced firmware allow customer system encryption information to be stored in transceiver
- No reference clock needed



**9dBi 2.4GHz Omni-directional Outdoor Antenna**

OAN-2090

- IEEE 802.11 b/g/n application in 2.4GHz Frequency Range
- Omni-directional operation provides extended point to multi-point coverage



**12dBi 2.4GHz Omni-directional Antenna**

OAN-2121

- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Provides 12dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range



**10dBi 5GHz Omni-directional Antenna**

OAN-4102

- For IEEE 802.11 a/n/ac Wireless applications in 5 GHz frequency range
- Provides 10dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range



**12dBi 5GHz Omni-directional Antenna**

OAN-4121

- For IEEE 802.11 a/n/ac Wireless applications in 5 GHz frequency range
- Provides 12dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range





### 12dBi 2.4GHz Directional Panel Antenna

WAN-2121

- Provides 12dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading



### 18dBi 2.4GHz Directional Panel Antenna

WAN-2182

- Provides 18dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



### 20dBi 2.4GHz Directional Panel Antenna

WAN-2201

- Provides 20dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



### 20dBi 5GHz Directional Panel Antenna

WAN-4201

- Provides 20dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



### 15dBi 2.4GHz Directional Dual-Polarization Panel Antenna

WAN-7151

- Provides 15dBi directional operation
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Directional operation provides extended point to point coverage
- Dual-Polarization to avoid interference
- Low wind loading
- -30°C to 60°C operating temperature range



### 15dBi 5GHz Directional Dual-Polarization Panel Antenna

WAN-9151

- Provides 15dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Dual-Polarization to avoid interference
- Low wind loading



### 18dBi 5GHz Directional Dual-Polarization Outdoor Panel Antenna

WAN-9180

- Operates in 5GHz band, according to IEEE 802.11 a/n specifications
- Antenna diversity at 18dBi high gain performance
- Dual-Polarization to avoid interference
- Easy to install on the wall surface
- Wideband frequency performance enables future growth and increases flexibility



### Antenna Cable

ANC-4110 (1M)  
ANC-4150 (5M)

- N male to N male
- Heat shrink tubing on both ends for wire insulation and protection
- CFD-400 low loss coaxial cable



### Industrial Power Adapter

POW-1212

- 36W
- Universal AC Input at Full Range
- Output equipped with open wires
- Short Circuit, Overload / Over Voltage Protection
- 100% Full Load Burn-in Test
- Compact, lightweight design



### 24V DC Industrial Power Supply

POW-2410 (30W)  
POW-2420 (60W)

- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- 100% Full Load Burn-in Test



### 24V DC Industrial Power Supply

POW-2430

- 75W
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- Fix Switching Frequency at 50KHz
- 100% Full Load Burn-in Test
- UL508 approval



### 24V DC Industrial Power Supply

POW-2440

- 120W
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- Fix Switching Frequency at 55KHz
- 100% Full Load Burn-in Test
- UL508 approval



### 48V DC Power Adapter

POW-4801

- Power Input: 110V-240VAC, 50 / 60Hz
- Power Output: 48VDC / 1.35A
- Operating Temperature range: 0-40°C



### 48V DC Industrial Power Supply

POW-4810

- 40W, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- NEC Class 2 LPS Compliant
- DC OK Relay Contact
- 100% Full Load Burn-in Test



### 48V DC Industrial Power Supply

POW-4820

- 75W, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- Fix Switching Frequency at 50KHz
- 100% Full Load Burn-in Test
- UL508 approval



### 48V DC Industrial Power Supply

POW-4840

- 120W, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- UL508 approval



### 48V DC Industrial Power Supply

POW-4850

- 240W, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- DC OK Relay Contact
- Active PFC Function
- 100% Full Load Burn-in Test
- UL508 approval



### 48V DC Industrial Power Supply

POW-4860

- 480W, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- DC OK Relay Contact
- Active PFC Function
- 100% Full Load Burn-in Test
- UL508 approval









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