



8-Port PoE++ Switch with 6 x 10G Ethernet Ports and 2 SFP+ Uplinks

360 W PoE Power Budget, IEEE 802.3bt (4PPoE) Compliant (4 x 90 W Ports, 2 x Non-PoE), 100 Mbps/1G/2.5G/5G/10G RJ45 Ports, Two 10G SFP+ Open Slots, Self-Healing Network, Desktop Format, Includes Optional 19" Rackmount Brackets

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Multi-gig 8-Port PoE++ Switch to Make Your Network Future-Proof - Unmanaged PoE Switch with Self-Healing Network Feature

The 8-Port PoE++ Switch with 6 x 10G Ethernet Ports and 2 SFP+ Uplinks from Intellinet Network Solutions delivers high performance and flexibility for modern high-bandwidth environments. Whether used in enterprise networks, campus infrastructure, or advanced surveillance systems, this switch is engineered to support next-generation network devices with ease. With six ultra-fast 10GBASE-T Ethernet ports and two open 10G SFP+ uplink slots, and 160 Gbps switching capacity, it offers exceptional switching capacity and future-proof connectivity for servers, NAS devices, and Wi-Fi 6/7 access points.

Flexible PoE++ Power for High-Demand Devices

Designed to power a wide range of PoE-enabled devices, this switch supports the IEEE 802.3bt (4PPoE) standard, providing up to 90 watts per port on four ports. With a total PoE power budget of 360 watts, it's ideal for high-power applications like PTZ cameras, wireless access points, and IP phones. The intelligent PoE allocation ensures reliable power delivery while protecting against overload, short circuits, and voltage surges.

Versatile Speeds and Smart Management - Without the High Cost of a Managed Switch

All Ethernet ports are multi-gigabit 10G and backwards compatible with 5G, 2.5G, 1G, and 100 FE, enabling seamless integration into existing networks while maximizing performance when higher speeds are available. Key functions such as port isolation, static Link Aggregation, QoS (802.1p), and Energy Efficient Ethernet (IEEE 802.3az) can be conveniently enabled or disabled via the front-panel DIP switch - offering streamlined setup and control without the complexity or cost of a fully managed switch.

Self-Healing Network - Powered Device Monitor (PDM) for quick self-recovery of your network devices

Despite being an unmanaged switch, the included PDM feature (PD Alive, PoE Watchdog) keeps an eye on connected PoE devices such as surveillance cameras and restarts them in case they stop responding. This will reduce your service calls and management burdens significantly

Flexible Deployment, TAA-Compliant

Compact enough for desktop use and complete with optional 19-inch rackmount brackets, this switch adapts to a variety of installation scenarios. Its TAA compliance makes it a strong choice for government and institutional projects requiring trade-compliant hardware. With intelligent features, robust power delivery, and multi-gigabit performance, this switch is the ideal foundation for high-speed, high-reliability networking environments.

Features:

- Six ultra-fast 10GBASE-T RJ45 Ethernet ports, IEEE 802.3an compliant
- PoE++ output up to 90 watts on ports 1 through 4 ; no PoE on ports 5 and 6
- 100 Mbps/1/2.5/5/10 Gbps auto-sensing ports that automatically detect optimal network speeds
- Two small-form-factor pluggable SFP/SFP+ module slots for 10G uplink capability
- PoE power budget of 360 watts
- 160 Gbps switch fabric / switching capacity
- Future-proof high-bandwidth connection; ideal for 10G servers, NAS devices, and Wi-Fi 6/7 access points
- Backward compatible with 100/1000/2500/5000 Mbps devices
- PDM, port isolation, static Link Aggregation, QoS 802.1p, and IEEE 802.3az (Energy Efficient Ethernet, EEE) can be enabled or disabled via DIP switch
- Self-Healing Network - the Powered Device Monitor feature (PDM), also known as PD Alive Check, restarts any connected PoE device that fails to respond or send out network traffic
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports IEEE 802.3bt/at/af-compliant PoE devices (wireless access points, VoIP phones, IP cameras and more)
- Supports IEEE 802.3bt/at/af detection and short circuit, overload and high-voltage protection

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- ESD protection up to 8 kV for air and 4 kV for contact
- Supports jumbo frames up to 12 kBytes
- Store and forward switching architecture
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Green Ethernet power-saving technology that deactivates unused ports and adjusts power levels based on the cable length
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- Supports 16k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 12 Mbits
- LEDs for power, link/activity, PoE, system, and alarm
- Two high-volume cooling fans ensure perfect ventilation
- Includes 19" rackmount brackets
- Fully TAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3bt (PoE++/4PPoE/Ultra Power over Ethernet)
- IEEE 802.3az (Energy Efficient Ethernet EEE)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control for full duplex mode)
- IEEE 802.3bz (2.5/5GBASE-T Ethernet)
- IEEE 802.3an (10GBASE-T Ethernet)
- IEEE 802.3ae (10 Gigabit Ethernet over fiber)

General

- Media support:
 - 100Base-TX Cat5/5e/6/6a/8 UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a/8 UTP/STP RJ45
 - 2.5G/5GBASE-T Cat6/6a/8 UTP/STP RJ45
 - 10GBase-T Cat6/6a/8 UTP/STP RJ45
- MAC address table: 16k
- Buffer memory: 12 Mbits
- Forwarding rate: 119.04 Mpps
- Backplane speed / switch fabric: 160 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, REACH, UKCA, TAA
- MTBF: 637,346 hours at 25°C (77°F)

LEDs

- Power
- Link
- PoE
- PoE/Max
- Alarm

DIP switch settings

- 1) Static Link Aggregation for two 10G Ethernet Ports on/off
- 2) Static Link Aggregation for both SFP+ ports on/off
- 3) Static Link Aggregation for two 10G Ethernet ports and both SFP+ ports on/off (note: requires compatible equipment on the other end)
- 4) PDM on/off
- 5) QoS (802.1p) on/off
- 6) Port isolation on/off
- 7) IEEE 802.3az on/off
- 8) All LEDs on/off

Pinout RJ45 output ports

- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (+)
- Pin 7: DC (-)
- Pin 8: DC (-)

Power

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- Input: 100.0 - 240.0 VAC, 50 - 60 Hz, internal power supply
- PoE power budget: 360.0 watts (max.)
- Power consumption: 462.0 W (max.)

Physical

- Metal housing
- Dimensions (L x W x H): 230 x 330 x 44 mm (9.06 x 12.99 x 1.73 in.)
- Net weight: 2.83 g (6.24 lbs.)
- Gross weight: 3.79 kg (8.36 lbs.)
- Operating temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -40 - 70°C (-4 - 194°F)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 8-Port PoE++ Switch with 6 x 10G Ethernet Ports and 2 SFP+ Uplinks
- Power cable
- Two 19 inch Rackmount Brackets
- Four rubber feet
- Instructions

