



## 24-Port Gigabit Ethernet PoE+ Switch with 10 GbE Uplink

**24 x PoE ports, IEEE 802.3at Power over Ethernet (PoE+), 2 x 10 GbE SFP+ open slots, Endspan, 19" Rackmount**

**Part No.: 561143**

The new backbone for your video surveillance!

The Intellinet 24-Port Gigabit Ethernet PoE+ Switch with 2 SFP+ Ports (561143) is designed to pass both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with 24 Gigabit Ethernet ports, all of which support 802.3at/af Power over Ethernet (PoE/PoE+), this switch can power IP surveillance cameras, Wireless LAN access points and bridges, VoIP (Voice over Internet Protocol) telephones and more while providing a total switching capacity of 88 Gbps for your network.

### Everything you need for your video surveillance network

Intellinet's 24-Port Gigabit Ethernet PoE+ Switch can comfortably power up to 24 PoE-enabled network cameras, but it does not end there. Thanks to its 10 GbE uplink ports, the switch is well-equipped to create a high-speed connection to your NVR solution. There will never be a shortage of available bandwidth, bottlenecks are a thing of the past, and there is plenty of PoE power to go around. And all of that comes with a low price previously thought impossible for a 10 GbE networking solution.

### Power over Ethernet 802.3at

The Intellinet 24-Port Gigabit Ethernet PoE+ Switch with 2 SFP+ 10 Gigabit Uplink Ports supports the IEEE 802.3at protocol and is designed to deliver up to 30 watts of power per port\*. IEEE802.3af or IEEE802.3at compliant devices attached to the switch require no additional power, thus eliminating the time and expense of electrical rewiring and minimizing the unsightly clutter caused by power supplies and adapters in awkward places such as ceilings and walls. Any mix of PoE and non-PoE devices is supported, and because of its short circuit, overload and high-voltage protection function, your equipment is well-protected. For devices that are not 802.3at/af compliant (legacy wireless access points or network cameras), we suggest using an Intellinet PoE/PoE+ Splitter.

### Future-Proof with 10 Gigabit Ethernet (IEEE 802.3ae)

Equipped with two 10 GbE SFP+ open slots, the Intellinet 24-Port PoE+ Rackmount Gigabit Switch is the ideal solution for cost-sensitive organizations considering 10 Gigabit Ethernet. With 10 GbE technology going mainstream and becoming incredibly popular, the need for additional bandwidth is more urgent than ever before - even in smaller networks. Whether you wish to connect servers, network attached storage units or NVRs at 10 Gbps, or to connect to another Gigabit switch without resorting to LACP techniques, 10 GbE provides the solution. In case you are not quite ready for 10 GbE, the Intellinet 24-Port PoE+ Gigabit Switch readily accepts standard 1.25G SFP transceiver modules, until the time is right for you to make the switch.

### Eliminate Bottlenecks with Gigabit Speeds

Equipped with 24 auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, the Intellinet 24-Port Gigabit Switch offers plenty of performance for your computers, servers and other networking devices.

\* Total PoE budget for this switch is 400 watts. Per-port average power distribution is 16.6 watts; maximum per-port power usage cannot exceed 30 watts.

## Features:

- Provides power and data connection for up to 24 PoE network devices
- Save installation cost by delivering data and power over existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Two small form-factor pluggable 10 GbE SFP/SFP+ module slots
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port\*
- PoE power budget of 400 watts
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- Supports link aggregation (trunking)
- IEEE 802.3x flow control for full duplex
- Trunking for SFP1 and SFP2 can be activated via switch on front panel
- Full/half duplex operation
- Flow control can be activated via switch on front panel
- Store and forward switching architecture
- Supports jumbo frames up to 9 kB
- 88 Gbps switch fabric
- Supports 16k MAC address entries
- 1.5 MBytes buffer memory
- LEDs for power, link/activity and PoE
- Two high-volume cooling fans ensure perfect ventilation
- Includes 19" rackmount brackets
- Three-Year Warranty

## Specifications:

### Standards

- IEEE 802.3ad (Link Aggregation)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3ad (Link Aggregation Control Protocol LACP)
- IEEE 802.3ae (10 Gigabit Ethernet over fiber)
- IEEE 802.3az (Energy Efficient Ethernet EEE)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control for full duplex mode)

### General

- Media support:
  - 10Base-T Cat3, 4, 5 UTP/STP RJ45

- 100Base-TX Cat5 UTP/STP RJ45
- 1000Base-T Cat5e UTP/STP RJ45
- MAC address table: 16k
- Buffer memory: 1.5 MBytes
- Forwarding rate: 65 Mpps
- Backplane speed / switch fabric: 88 Gbps
- Switch architecture: store and forward
- Certifications: FCC Class A, CE

#### LEDs

- PoE
- Power
- Link/activity

#### Power

- Input: 100 – 240 VAC, 50 – 60 Hz
- Power consumption: 450 watts (maximum)

#### Environmental

- Metal housing
- Dimensions: 330 (L) x 440 (W) x 44 (H) [mm] / 13 (L) x 17.32 (W) x 1.73 (H) [in]
- Weight: 4.3 kg (9.5 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -40 – 70°C (-4 – 158°F)

#### Package Contents

- 24-Port Gigabit Ethernet PoE+ Switch with 2 x 10 GbE SFP+ Uplinks
- Power cable
- User manual
- 19" rackmount brackets



