



## **6-Port PoE++ Switch with 5 x 2.5G Ethernet Ports and 1 SFP+ Uplink**

**IEEE 802.3bt (4PPoE) Compliant, Four PSE PoE++ Ports (up to 60 W per port), 10/100/1000/2500 Mbps on all RJ45 Ports, 70 W PoE Power Budget, One 10G SFP+ Open Slot, Desktop Format, Wall-mount Option**

Part No.: **562133**

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## **Next-gen 2.5 Gbps Desktop 6-Port PoE++ Switch with 10G Uplink - Supports 10/100/1000/2500 Mbps and Power over Ethernet IEEE 802.3bt**

The 6-Port 2.5G Ethernet Unmanaged PoE++ Switch from Intellinet Network Solutions passes both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with five multi-gigabit Ethernet PoE+ copper ports, this Switch can power wireless LAN bridges, VoIP phones and more while delivering network speeds up to 2500 Mbps.

### **Eliminate bottlenecks with 2.5G capability - great for high-bandwidth Wi-Fi 6 & 7 IEEE 802.11ax Access Points and more**

Since at least the arrival of Wi-Fi 6 (but even with legacy Wi-Fi 5 [802.11ac]), "regular" Gigabit Ethernet ports have been at their bandwidth limits when connecting to wireless networks. This Switch's ability to support 2.5GBASE-T means it can deliver data to wireless APs faster and better accommodate other higher-bandwidth devices in your enterprise network.

### **10 Gigabit Ethernet (IEEE 802.3ae) on the SFP+ Uplink**

Equipped with a 10G SFP+ open slot, this switch is the ideal solution for cost-sensitive organizations considering 10 Gigabit Ethernet. With 10G technology going mainstream and becoming ever more popular, the need for additional bandwidth has become more urgent than ever - even in smaller networks. Whether you wish to connect servers, network-attached-storage units or NVRs at 10 Gbps, this provides the solution. And in case you are not quite ready for

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10G just yet, it will happily take standard 1G SFP transceiver modules until the time is right for you to make the switch.

## Ultra-high power PoE++ with output up to 60 watts

Four 4PPoE (PoE++) ports deliver up to 60 watts to power-hungry devices like Thin Clients, POS systems or PTZ speed dome cameras. Any IEEE802.3bt/at/af-compliant device attached to the switch requires no additional power, which avoids the time and expense of electrical rewiring and reduces the unsightly clutter from power supplies and adapters on ceilings and walls. Any mix of PoE and non-PoE devices is supported, and thanks to its short circuit, overload and high-voltage protection function, your equipment is well-protected.

### Features:

- Provides up to four PoE network devices with power and data
- Ultra-fast 2.5GBASE-T RJ45 Ethernet ports, IEEE 802.3bz compliant
- One small-form-factor pluggable SFP/SFP+ module slot for 10G uplink capability
- PoE power budget of 70 watts
- PoE++ output up to 60 watts on ports 1 to 4
- 45 Gbps switch fabric / switching capacity
- Backward compatible with 10/100/1000 Mbps devices
- 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
- Saves installation costs by delivering data and power over existing network cables
- Supports jumbo frames up to 12 kBytes
- Store and forward switching architecture
- IEEE 802.3x flow control for full duplex
- Supports 4k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 8.1 Mbits
- Compact desktop format with rugged metal housing
- Fanless design for silent operation
- Built-in wall-mounting holes and four rubber feet for desktop use
- Fully NDAA- and TAA-compliant
- Three-year warranty

### Specifications:

#### Standards

- IEEE 802.3 (10Base-T Ethernet)

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- 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 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control for full duplex mode)
- IEEE 802.3bz (2.5GBASE-T Ethernet)
- IEEE 802.3ae (10 Gigabit Ethernet over fiber)

#### General

- Media support:
  - 10Base-T Cat3/4/5/5e/6/6a UTP/STP RJ45
  - 100Base-TX Cat5/5e/6/6a UTP/STP RJ45
  - 1000Base-T Cat5e/6/6a UTP/STP RJ45
  - 2.5GBase-T Cat5e/Cat6/6a UTP/STP RJ45
- MAC address table: 4k
- Buffer memory: 8.1 Mbits
- Forwarding rate: 33.48 Mpps
- Backplane speed / switch fabric: 45 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, REACH, UKCA

#### LEDs

- Power
- Link
- PoE
- Alert

#### 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

- Included external power adapter:
  - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
  - Output: DC, 54.0 V, 1.67 A
  - PoE power budget: 70.0 watts (maximum)
  - Power consumption: 90.0 watts (maximum)

#### Physical

- Metal housing

- Dimensions (L x W x H): 110 x 160 x 26 mm (4.33 x 6.3 x 1.02 in.)
- Net weight: 500 g (1.1 lbs.)
- Gross weight: 1.1 kg (2.43 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

- 6-Port PoE++ Switch with 5 x 2.5G Ethernet Ports and 1 SFP+ Uplink
- Power adapter
- Power cable
- Instructions



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