



## 8-Port Gigabit Ethernet Switch with 4 Ultra PoE Ports and LCD Screen

8 x 10/100/1000 ports, 4 x IEEE 802.3bt Power over Ethernet (Ultra PoE) Ports, LCD Display, 140 W, Desktop, 19" Rackmount

Part No.: **561310**

The Intellinet 8-Port Gigabit Ethernet Switch with 4 Ultra PoE Ports and LCD Screen passes both data and electrical power to a number of PoE-compatible devices via standard network cables. Equipped with eight Gigabit Ethernet ports, this switch can power wireless LAN access points and bridges, VoIP phones, IP video cameras and more while delivering network speeds of up to 1,000 Mbps.

### Power over Ethernet 802.3bt

This high-powered switch supports the IEEE 802.3bt protocol and can inject up to 60 watts of power per port\*. IEEE802.3af- or IEEE802.3at- & IEEE802.3bt-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 thanks to its short-circuit, overload and high-voltage protection function, your equipment is well-protected. For devices that are not 802.3bt/at/af compliant (e.g., legacy wireless access points or network cameras), we suggest the use of an Intellinet PoE/PoE+ Splitter.

### Innovative LCD Status Display

The switch is equipped with an LCD status screen on the front that provides real-time power information. This includes how much power each connected PoE device consumes, the combined used-power total of all connected devices and the total power available. Additionally, the LCD screen informs users of potential warnings for overload, high

temperature, short-circuit protection and others. This feature always keeps you informed about the status of your PoE switch with a glance at the screen.

\* On four Ultra PoE PSE ports; total PoE budget for this switch is 140 watts. Per-port average power distribution is 35 watts; maximum per-port power usage cannot exceed 60 watts.

## Features:

- Provides power and data connection for up to four PoE network devices
- Four Power-Sourcing Equipment (PSE) ports (ports 1 to 4)
- Saves time and money by delivering data and power via existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- LCD display for easy access to real-time PoE status monitoring
- IEEE 802.3bt/at/af-compliant RJ45 PoE/PoE+/Ultra PoE output ports
- Power output up to 60 watts per port\*
- PoE power budget of 140 watts
- Supports IEEE802.3bt/at/af-compliant PoE devices (e.g., wireless access points, VoIP phones, IP cameras)
- Detects IEEE 802.3bt/at/af compliant devices and offers and short circuit, overload and high-voltage protection
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Green Ethernet power-saving technology deactivates unused ports and adjusts power levels based on the cable length
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Store and forward switching architecture
- IEEE 802.3x flow control for full duplex
- Supports up to 8192 MAC address entries, Auto-Learning and Auto-Aging
- Fanless design ideal for silent operation
- Includes 19" rackmount brackets
- Three-year warranty

## Specifications:

### Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)
- IEEE 802.3bt (Ultra POE 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)

## General

- Media support:
  - 10Base-T
  - 100Base-TX
  - 1000Base-T
- Packet filter/forwarding rate:
  - 1,488,000 pps (1000 Mbps)
  - 148,800 pps (100 Mbps)
  - 14,880 pps (10 Mbps)
- MAC address table: 8192 entries
- Buffer memory: 2 MB
- Backplane speed: 16 Gbps
- Switch architecture: store and forward
- MTBF: > 50000 hours
- Display:
  - Type: LCD
  - Resolution: 128 x 64 pixels
  - Viewing area: 37 x 23 mm (1.69 x 0.9 in.)
- Pinout RJ45 output ports (Data + Power)
  - Pin 1: Vport [-]
  - Pin 2: Vport [-]
  - Pin 3: Vport [+]
  - Pin 4: Unused [+]
  - Pin 5: Unused [+]
  - Pin 6: Vport [+]
  - Pin 7: Unused [-]
  - Pin 8: Unused [-]
- Certifications: FCC Class A, CE, RoHS

## LEDs

- Power
- PoE
- Link/activity/speed

## Power

- Input: 100 – 240 V AC, 50 – 60 Hz
- Power consumption: 150 watts (maximum)

## Physical

- Metal housing
- Dimensions: 280 (L) x 179 (W) x 44.5 (H) [mm] / 11.02 (L) x 7.05 (W) x 1.75 (H) [in]
- Weight: 1.8 kg (3.97 lbs.)

## Environmental

- Operating temperature: 0 – 40°C (32 – 104°F)

- Storage temperature: -40 – 70°C (-40 – 158°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage Humidity: 5 - 90% non-condensing

#### Package Contents

- 8-Port Gigabit Ethernet Switch with 4 Ultra PoE Ports and LCD Screen
- Power cable
- User manual
- 19" mounting brackets

