The 8-Port PoE Switch, sourced from Linksys and certified by Enlighted, powers up to seven Enlighted Gateways and provides data switching for the Enlighted IoT network.

OVERVIEW

Designed for business-class management, security, speed, and quality of services, the PoE Switch provides power and data from a single point using Power over Ethernet via a single CAT-5 or CAT-6 cable.

The eight PoE+ Gigabit ports can be used for any 10/100Mbps link, and all ports supply the latest industry-standard IEEE 802.3at power. The advanced auto-sensing algorithm gives power only to 802.3at end devices, ensuring no damage to proprietary PoE or non-PoE equipment. Also, the switch discontinues the power when PoE devices are disconnected. Easy and reliable, the device automatically determines PoE requirements, speed, duplex, and cable type.

TECHNICAL SPECIFICATIONS

Network Ports
- 8 PoE+ ports

Network Protocol and Standard
- IEEE 802.3i 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3x Flow Control
- IEEE 802.3af PoE
- IEEE 802.3at PoE+

Performance Specifications
- Forwarding rates: 11.90 Mbps
- Switching capacity: 16 Gbps

Power Supply
- Total power consumption: 81.95 W max.
- Power dedicated to PoE+: 72 W
- Power Input: 100-240 V
  50-60 Hz (1.5 A max.)

Environmental Specifications
- Operating temperature: 32° to 122° F (0° to 50° C)
- Storage temperature: -40° to 158° F (-40° to 70° C)
- Operating humidity: 10-90% relative humidity
- Storage humidity: 10-90% relative humidity, non-condensing

Regulatory and Compliance
- FCC Part 15, sub-part B Class A
- CE Mark for commercial products (EN 55022, EN 55024)
- Safety (CE Mark certified to EN 60950-1)
8-Port Power over Ethernet (PoE)

MOUNTING
The 8-Port PoE Switch is usually mounted in an electrical or telecom room in an Enlighted Enclosure with the Enlighted Energy Manager and a double duplex receptacle. RJ-45 connectors are included for the Enlighted system to connect to an IT network or on a building automation and control network.

WIRING & OPERATIONS
The LAN2/ETH1 port on the Enlighted Energy Manager is connected to one of the Ethernet ports on the PoE Switch.

WIRING