Overview

IntraLAN PSE-24 Smart PoE Power Source Switch is equipped with (24) 10/100BASE-TX Fast Ethernet ports, all of which support 802.3af Power Over Ethernet (PoE), and two 10/100/1000BASE-T ports for copper Gigabit connections.

The PSE-24 is a valuable solution for small and medium size businesses deploying wireless networks, enhanced security, and increasing multimedia applications.

This all-in-one solution provides smart management features and Power Over Ethernet to supply power injection into 802.3af compliant devices such as IP phones, wireless access points, and IP cameras. The PSE-24 supports the IntraLAN PoE Adapter product line to provide an evolution in network design that includes Ethernet links of over 1,000 feet and power to non-standard PoE devices. The PSE-24 coupled with the PoE Adapters can provide power and management functions to non-networked devices.

24-Port PoE 10/100Mbps plus Uplink Web Smart Ethernet Switch

- 24-Port PoE 10/100Mbps + 2 Gigabit-Port Web Smart Ethernet Switch
- 24 10/100Mbps Auto-Negotiation Ethernet Ports
- 2x2 Gbps Auto-Negotiate Uplink Ethernet Ports
- 24-port 802.3af Power over Ethernet
- Full 15.4W PoE power on all 24 ports
- Store-and-Forward switching provides rapid rate adaptation and ensures data integrity.
- Extensive Web Management Interface provides easy access to all management functions:
  - Per Port Speed/Disable, Flow Control, QoS.
  - Port and Tag Based VLAN
  - Tag Management Functions to Include Add/Remove/Modify Tags
  - PoE enable, manage and port status
  - Standard 19" Rack-mount
  - Support IntraLAN PoE Adapter Series

IEEE 802.3af Compliant Power Source Switch

The PSE-24 has (24) 10/100BASE-TX ports that support 802.3af PoE standard. It is designed to inject up to 15.4 Watts of power per port. Each port can automatically detect if any 802.3af compliant device is attached and supply power which will be automatically adjusted to device requirements.

The PSE-24 also supports active circuit protection, detecting and disabling a port if there is a short, while the other ports remain active.

Remarkably Smart and Excellent Performance

The PSE-24 provides QoS features that are required for today's multimedia applications. Through a Web-based interface, an administrator can set up 802.1Q VLANs to isolate traffic, 802.1P QoS to prioritize mission-critical data such as voice or video packets, and port-based trunk groups to create wide traffic pipelines. It also provides network monitoring and diagnostic tools such as port mirroring.

Through its Web Smart interface, an administrator can easily facilitate network troubleshooting remotely without going to where the actual attached device is located. The auto features of this switch make installation plug & play and negotiation hassle-free. The PSE-24 also features diagnostic LEDs, which display link, speed, power, and activity, allowing on-site technicians to quickly detect and correct problems on the network.

Technology

Standard:
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3x Flow Control
IEEE 802.3af Power Over Ethernet
IEEE 802.1p Quality of Service
IEEE 802.1Q VLAN Tagging
Processing: Store and Forward architecture

Interface

Number of ports:
24 x 10/100Mbps, Auto-negotiation, Auto-MDI/MDIX, PoE ports (port 1 ~ port 24)
2 x 10/100Mbps, Auto-negotiation, Auto-MDI/MDIX, Gigabit Ethernet ports

LED Indicators:
Per Unit: Power
Per Port: Link/Activity, Speed and PoE status (port 1 - 24)

Performance

Transfer Rate:
Ethernet: 10Mbps (Half-duplex)
                        20Mbps (Full-duplex)
Fast Ethernet: 100Mbps (Half-duplex)
                        200Mbps (Full-duplex)
Gigabit Ethernet: 2000Mbps (Full-duplex)
MAC Address: 1K MAC address table
Data RAM Buffer: ~3Mbits per device

Power Requirements

Power Supply:
100 - 240VAC 50/60Hz, External universal switching power supply

Power Consumption:
400 W   Max. with 24 x 15.4W powered devices connected
PoE Port: Up to 15.4W
PoE Budget: Class Ø up to 15.4W per PoE port

Mechanical

Dimensions: 17.3" (W) x 12.6" (H) x 1.7" (D)
                        440mm (W) x 320mm (H) x 44mm (D)

Environmental

Operating Temperature: 0 to 40°C (32 to 104°F)
Operating Humidity: 5% to 95%, Non-Condensing
Storage Temperature: -20 to 70°C (-4 to 158°F)

Regulatory Approvals

FCC, CE, VCCI
Safety – cUL (UL 60950), CB(IEC 60950)

Warranty

1 year

Specifications are subject to change without notice.

PSE-24 Specification

FRONT PANEL

BACK PANEL

Advanced Network Solutions for the Hospitality Industry.

About Panoptic Corporation
Panoptic Technology's focus is to develop and enhance technologies to meet the ever increasing demands of business both today and in the future. Panoptic Technology optimizes technology migration by developing solutions that maximize performance while minimizing startup or investment costs.