



- \* 24-Port 10/100BaseT(X) with PE + 2-Port Gigabit Copper and 2 SFP Open Slots
- \* IEEE 802.3at
- \* Web-Management
- \* 19" Industrial Size
- \* Internal Power Supply

## **24-port 10/100M with PoE + 2 Combo Gigabit Copper / 2 SFP Web Smart Rack-mount Gigabit Ethernet Switch**

### **Introduction**

PS-7242IL-at is 24-port 10/100M with PoE + 2 Combo Gigabit Copper / 2 SFP Rack-mount Gigabit Web Smart Ethernet Switch that is designed for medium or large network environment to strengthen its network connection. Including rack-mount brackets, the 19" size fits into your rack environment. It is a superb choice to boost your network with better performance and efficiency.

### **IEEE 802.3at Power over Ethernet (PoE) ports**

PS-7242IL-at features 24-port PoE+ IEEE 802.3at supplying up to 30 watts per port. This product can convert standard 90~260V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. By adding PS-7242IL-at to existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

### **2 Combo Gigabit Copper / 2 SFP Open Slots**

PS-7242IL-at supports 2 Combo Gigabit Copper or 2 SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications

### **Exceptionally Smart**

PS-7242IL-at provides Smart features that are ideal for simple QoS/CoS applications and basic monitoring tools to improve network efficiency. Its security and management features such as bandwidth control and VLANs to secure your network. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data and link aggregation to create fat traffic pipelines. All of these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

### **Auto-MDI/MDI-X**

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

### **Auto-Negotiation**

Every port can automatically sense if the connected network devices are running at 10Mbps, 100Mbps, or 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

## Non-Blocking

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 200 or 2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

## Store and Forward

By this function, this switch can maximize network performance while minimizing the propagation of bad network packets.

## Specifications

<b>Standards</b>	IEEE 802.3 at IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.ab 1000BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Full-duplex and Flow Control IEEE 802.1Q VLAN IEEE 802.1p QoS / Class of Service, Priority Protocols IEEE802.3 Nway Auto-negotiation IEEE802.3af Power over Ethernet
<b>Features</b>	Number of Ports: 10/100BaseTX with RJ-45 Connectors: 24 port with PoE 10/100/1000BaseT with RJ-45 Connectors: 2 Combo SFP Open Slots: 2 MAC Address: 4K Buffer Memory: 2.75Mb Transmission Method: Store and Forward
<b>Smart Features</b>	Port Security Filter: TCP / UDP port based MAC Address based IP Address based VLAN Setting: Tag Based: 32 Port Based: 26 VLAN ID ( Up to 4094 K ) QoS: Priority ( Port Based / TOS / Diffserv / DSCP/IPv4 /IPv6 ) Class of Service Configuration TCP / UDP Port Based Management: Password-protected Access On / Off PoE Port Settings, Web-Based Management delete Bandwidth Control Broadcast Storm Control Port Mirroring Port Configuration Programmable aging timer IGMP Snooping

	Trunk ( up to 4 Ports per Group, 2 Groups per Device ) Provide DHCP Client Quality of Service: up to 2 queues
<b>Filtering/Forwarding Rates</b>	1000Mbps port – 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
<b>Transmission Media</b>	10/100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5 / Cat. 5E UTP/STP
<b>LED Indicators</b>	Per Port: Link/Act, PoE : Act / Status Per Unit: Power
<b>Power Input</b>	90~264 V/AC, 50~60Hz
<b>Power Output</b>	48~56V /DC Per Port Output
<b>Power Consumption</b>	390 Watt Max.
<b>Dimensions</b>	440 x 332 x 44 mm (L x W x H)
<b>Operating Temperature</b>	0 to 40°C
<b>Storage Temperature</b>	-20 to 90°C
<b>Humidity</b>	10 to 90% RH (non-condensing)
<b>Certifications</b>	FCC Class A, CE
<b>Weight</b>	4.7kg