



ES-5816P

16 Ports 10M/100M Rack-mount PoE Web Smart Fast Ethernet Switch

ES-5816P is 16-port 10M/100M With 16-port PSE/PoE Rack-mount PoE Web Smart Fast 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.

Complies IEEE 802.3af Power over Ethernet (PoE) ports

The ES-5816P features 16 IEEE 802.3af Power over Ethernet (PoE) ports which supply the electricity up to 15.4 watts per port. It can convert standard 90~260V/AC power into low-voltage DC that runs over existing LAN cable to supply the power for IEEE 802.3af compliant network accessories. The ES-5816P also features PoE detection to verify whether the connected device is IEEE 802.3af compliant or not. If it is not a PoE device (PE), only the data will be sent through LAN cable. The ES-5816P can connect with different PoE products such as Access Points, IP cameras or IP phones...It is the best solution where the power outlets are difficult to install or the power outlets are far to the device.

No Special Networking Cable Required

Just use the standard Cat-5 Ethernet cable to link between the ES-5816P and the powered devices (PE). This Ethernet cable can transmit both data and power. No power wire is needed for the powered devices (PE). It reduces the installation time and cost.

Supports Smart Features

The ES-5816P Web smart features can be managed through a Web Browser. The smart features include simple QoS/CoS applications and basic monitoring tools to improve network efficiency. The ES-5816P also supports bandwidth control and port based VLAN. Through a Web 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. It increases the IT manager's mobility. ES-5816P also provides IGMP snooping to reduce broadcast traffic from streaming and other bandwidth intensive IP applications.

Supports Auto-MDI/MDI-X

Every port of the ES-5816P can automatically detect the type of cable. There is no need to choose crossover or parallel cables when you are connecting this switch to another switch or to a computer.

Supports Auto-Negotiation

Every port of the ES-5816P can automatically distinguish the connected network devices are running at 10Mbps, 100Mbps and Half/Full-Duplex mode. The ES-5816PE can adjust the speed and mode accordingly.

Supports Non-Blocking wire speed

The ES-5816P receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port of the ES-5808P has the speed up to 200Mbps in full-duplex mode simultaneously. This feature provides full wire speed to the connected devices and allows you to run a high speed network smoothly.

Supports Store and Forward Architecture

With the store and forward architecture, the ES-5816P can maximize network performance while minimizing the propagation of bad network packets.

Specification

Standards	IEEE 802.3af Power over Ethernet IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100BaseTX Fast Ethernet ANSI / IEEE 802.3 NWay auto-negotiation IEEE 802.3x Flow Control in full duplex Collision / Carrier sense based backpressure in half duplex IEEE 802.1p QoS IEEE 802.1Q VLAN Tag
Features	Number of Ports: 16 PoE ports 10/100BaseT/T(X) MAC Address: 4K Buffer Memory: 156KB Transmission Method: Store and Forward
Smart Features	Port Security Filter: <ul style="list-style-type: none"> • TCP/UDP port based • MAC Address based • IP Address based VLAN Setting: <ul style="list-style-type: none"> • Port Based VLAN • Tag Based VLAN (20 entries) • VLAN ID (Up to 4094K) QoS: <ul style="list-style-type: none"> ✧ Priority (Port Based / TOS / Diffserv /DSCP/IPv4/ IPv6) ✧ Class of Service Configuration ✧ TCP/UDP Port Based Management: <ul style="list-style-type: none"> ✧ Password-protected Access, ✧ On /Off PoE Port Settings, ✧ Web-base Management, ✧ Graphic User Interface ✧ Bandwidth Control ✧ Broadcast Storm Control ✧ Port Mirroring ✧ Port Configuration ✧ Programmable aging timer ✧ IGMP Snooping ✧ Trunk (4 Ports per Group, 2 Group per Device) ✧ Provide DHCP Client ✧ Firmware Update (Web Base / TFTP)
Filtering/Forwarding Rates	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP
LED Indicators	Per Port: Link/Act, PoE Act/Status Per Unit: Power
Power Input	100~240V/AC, 50~60Hz
Power Output	48V/DC Per Port Output – 15.4 W Max Per Port 16 Ports at Full 15.4 W Output Supported
Power Consumption	260 Watts (Max)
Dimensions	440 x 220 x 42(L x W x H)
Weight	3.8 kg
Operating Temperature	0 to 60°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE