ES0812-31

8-Port 10M/100M + 2-Port Giga uplink (1*TP+1*SFP) Desktop Web Smart PoE Switch

- 8-port 10/100M PSE Ports + 2-Port Gigabit Uplink (TPx1, SFPx1)*
- IEEE 802.3at PoE+, up to 30W per port
- Web-based Configuration and Management
- VLAN, QoS, RSTP, IGMP Snooping, LACP, Port Security, Bandwidth Control, Broadcast Storm Control
- Max. 130W power consumption
- 11" Metal Case

* The TP and SFP ports cannot be used simultaneously. You can choose either one for data transmitting.

Key Features

IEEE 802.3at Power over Ethernet (PoE) ports

ES0812-31 features 8 IEEE 802.3at Power over Ethernet (PoE) ports supplying up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. By adding ES0812-31 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.

No Special Networking Cable Required

By adding PoE devices, you can use an existing standard Cat-5 Ethernet cable without a new electrical outlet for both power and data. It helps you reduce installation time and cost.

Exceptionally Smart

ES0812-31 8-port PoE + 2 port Giga uplink (1*TP+1*SFP) Desktop Web Smart PoE Switch features management interface that can be managed through Web Browser and provides Smart features that are ideal for simple network applications and basic monitoring tools to improve network efficiency.

Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data, RSTP/Loop Protection to avoid network loop, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and Port Security to secure your network. 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 100Mbps port simultaneously supports up to 200Mbps of bandwidth in full-duplex mode, Gigabit port supports up to 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.

Note: For the 2 Gigabit Uplink ports (TPx1, SFPx1), it's not allowed to use the two ports simultaneously. You can choose either one for data transmitting.

Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.ab 1000BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Flow Control IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.3at Power Over Ethernet (PoE+)
Features	Number of Ports: 10 Fast Ethernet: 8-port 10/100 Base-TX, IEEE 802.3at PSE Gigabit Ethernet: 1-port 10/100/1000 Base-T, 1-port Gigabit SFP MAC Address: 4K Buffer Memory: 2.75M bits Switching Capacity:5.6Gbps

	Jumbo Frame:10K Transmission Method: Store and Forward
Smart Features	Port Based VLAN: 10 Tagged Based VLAN: 32, VID = 1~4094 STP/RSTP IGMP Snooping V1&V2 Link Aggregation: 1, Gigabit ports Quality of Service(QoS): High & Low priority queues, 802.1p Security: Port & MAC binding, 3 MAC per port Port: Port State, Speed/Duplex, Flow Control Configuration Port Mirroring Bandwidth Control Broadcast Storm Control PoE Control: PoE Port Enable/Disable, PoE Status Management: Web Management, password protection Configuration backup/restore, Firmware upgrade
Filtering/Forwarding Rates	10Mbps port - 14,880pps 100Mbps port - 148,800pps 1000Mbps port - 1,488,000pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5/5E,6 UTP/STP
Led Indicators	Per Port: Link/Act, PoE Act/Status Per Unit: Power
Power Input	100~240V/AC, 50~60Hz
Power Output	802.3at compliant, 30W Max. per Port
Power Consumption	130W (Max.)
Operating Temperature	0 to 45℃
Storage Temperature	-20 to 90℃
Humidity	10 to 90% RH (non-condensing)
Dimensions	44 × 266 × 161 mm (H x W x D)
Weight	1.8 kg
Certifications	FCC Class B, CE