

## 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

<p><b>Standards</b></p>	<p>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+)</p>
<p><b>Features</b></p>	<p>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</p>



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

