



EdgeSwitch™

Managed PoE+ Gigabit Switches with SFP

Models: ES-8-150W, ES-16-150W, ES-24-250W,
ES-24-500W, ES-48-500W, ES-48-750W

Non-Blocking Throughput Switching Performance

Gigabit Ethernet RJ45 and SFP+/SFP Ports

Auto-Sensing IEEE 802.3af/at PoE



EdgeSwitch™ 24 **500W**

Model: ES-24-500W

- (24) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 26 Gbps
- Switching Capacity: 52 Gbps
- Forwarding Rate: 38.69 Mpps
- Maximum Power Consumption: 500W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rackmountable



EdgeSwitch™ 48 **500W**

Model: ES-48-500W

- (48) Gigabit RJ45 Ports
- (2) SFP+ Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 70 Gbps
- Switching Capacity: 140 Gbps
- Forwarding Rate: 104.16 Mpps
- Maximum Power Consumption: 500W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rackmountable



EdgeSwitch™ 48 **750W**

Model: ES-48-750W

- (48) Gigabit RJ45 Ports
- (2) SFP+ Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 70 Gbps
- Switching Capacity: 140 Gbps
- Forwarding Rate: 104.16 Mpps
- Maximum Power Consumption: 750W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rackmountable



EdgeSwitch™ 48

Hardware Specifications

| ES-48-500W, ES-48-750W | | | | |
|-------------------------------|---|---------------------|--------------------------|---------------------|
| Dimensions | 485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75") | | | |
| Weight | ES-48-500W | | ES-48-750W | |
| | 6.1 kg (13.5 lb) | | 6.5 kg (14.3 lb) | |
| Total Non-Blocking Throughput | 70 Gbps | | | |
| Switching Capacity | 140 Gbps | | | |
| Forwarding Rate | 104.16 Mpps | | | |
| Max. Power Consumption | ES-48-500W | | ES-48-750W | |
| | Includes PoE Output | Excludes PoE Output | Includes PoE Output | Excludes PoE Output |
| | 500W | 64W | 750W | 64W |
| Power Method | 100-240VAC/50-60 Hz, Universal Input | | | |
| Power Supply | ES-48-500W | | ES-48-750W | |
| | AC/DC, Internal, 500W DC | | AC/DC, Internal, 750W DC | |
| LEDs Per Port | RJ45 Data Ports | | SFP+/SFP Data Ports | |
| | PoE, Speed/Link/Activity | | Speed/Link/Activity | |
| Networking Interfaces | (48) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1/10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports | | | |
| Management Interface | (1) RJ45 Serial Port, Ethernet In/Out Band | | | |
| Certifications | CE, FCC, IC | | | |
| Rackmount | Yes, 1U High | | | |
| ESD/EMP Protection | Air: ±24 kV, Contact: ±24 kV | | | |
| Operating Temperature | -5 to 40° C (23 to 104° F) | | | |
| Operating Humidity | 5 to 95% Noncondensing | | | |
| Shock and Vibration | ETSI300-019-1.4 Standard | | | |

| PoE Per Port | |
|-----------------------------------|---|
| PoE Interfaces | POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) |
| Max. PoE+ Wattage per Port by PSE | 34.2W |
| Voltage Range 802.3at Mode | 50–57V |
| Max. Passive PoE Wattage per Port | 17W |
| 24V Passive PoE Voltage Range | 20-27V |