



## UniFi 48-Port PoE Manageble Switch

US-48-500W

SKU: 19509    UPC: 810354020780

The US-48-500W UniFi Managed PoE+ Gigabit 48 RJ45 Port 500W Switch from Ubiquiti Networks offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss. It provides a total non-blocking throughput of up to 70 Gb/s.

The UniFi Switch provides fiber connectivity options for easy expansion of your networks. Each UniFi Switch includes two SFP ports for uplinks of up to 1 Gb/s. By default, the UniFi Switch automatically detects 802.3af/at devices so they automatically receive PoE and 24V passive PoE to power multiple devices on the network. The 48-port switch adds two SFP+ ports for high-capacity uplinks of up to 10 Gb/s, so you can directly connect to a high-performance storage server or deploy a long-distance uplink to another switch.

The switch supports an extensive suite of advanced Layer-2 switching features and protocols, and also provides Layer-3 routing capability. It integrates seamlessly into the UniFi Software-Defined Networking (SDN) platform to create a highly scalable, end-to-end system of network devices across multiple locations - all controlled from a single interface.

### Features:

- Auto-sensing IEEE 802.3af/at PoE
- 48 x Gigabit RJ45 ports, 2 x SFP+ ports, 2 x SFP ports
- 1 Serial console port (reserved for future use)
- Non-blocking throughput of up to 70 Gb/s
- Switching capacity: 140 Gb/s
- Forwarding rate of up to 104.16 Mp/s
- Maximum power consumption of 500W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rack mountable
- Designed for convenient management, the UniFi Controller software (not included) allows administrators to configure and monitor the UniFi Switch and other UniFi devices using a graphical user interface. 1

Total Non-Blocking Throughput	70 Gb/s
Switching Capacity	140 Gb/s
Forwarding Rate	104.16 Mp/s
Maximum Power Consumption	500 W
Power Method	100 to 240 VAC, 50 to 60 Hz, Universal Input
Power Supply	AC/DC, Internal, 500 W DC
LEDs	RJ45 Data Ports: PoE, Speed/Link/Activity SFP Data Ports: Speed/Link/Activity
Ethernet Networking Interfaces	48 x 10/100/1000 Mb/s RJ45 Ethernet Ports 2 x 1/10 Gb/s SFP+ Ethernet Ports 2 x 1 Gb/s SFP Ethernet Ports
Management Interface	1 x RJ45 Serial Port (Reserved for Future Use), Ethernet In/Out Band
Certifications	CE, FCC, IC

Rackmount	Yes, 1U High
ESD/EMP Protection	Air: $\pm 24$ kV, Contact: $\pm 24$ kV
Shock and Vibration	ETSI300-019-1.4 Standard
PoE	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24 VDC Passive PoE (Pins 4, 5+; 7, 8-) Maximum PoE+ Wattage per Port by PSE: 34.2 W
Voltage Range	802.3at Mode, 50 to 57 V
Maximum PoE Wattage Per Data Port	17 W
Voltage Range	20 to 27 V
System Requirements	Linux, Mac OS X, or Microsoft Windows 7/8 Java Runtime Environment 1.6 (or above) Web Browser: Mozilla Firefox, Google Chrome, or Microsoft Internet Explorer 8 (or above)
Operating Temperature	23 to 104°F (-5 to 40°C)
Operating Humidity	5 to 95, non-condensing
Dimensions	19.1 In x 1.75 In x 13.69 In (485.04 mm x 44.45 mm x 347.6 mm)
Weight	11.68 lb (5.3 kg)

## Packaging Info

Package Weight	16.8 lb
Box Dimensions (LxWxH)	22.3 In x 16.5 In x 3.8 In