



## UniFi® | SWITCH

Managed PoE+ Gigabit Switches with SFP

Models: US-24-250W, US-24-500W, US-48-500W, US-48-750W

Non-Blocking Throughput Switching Performance

Gigabit Ethernet RJ45 and SFP+/SFP Ports

Auto-Sensing IEEE 802.3af/at PoE

# UniFi® | SWITCH

Build and expand your network with Ubiquiti Networks® UniFi® Switch, part of the UniFi line of products. The UniFi Switch is a fully managed, PoE+ Gigabit switch, delivering robust performance and intelligent switching for growing networks.

## Switching Performance

The UniFi Switch offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss.

## PoE+ Flexibility

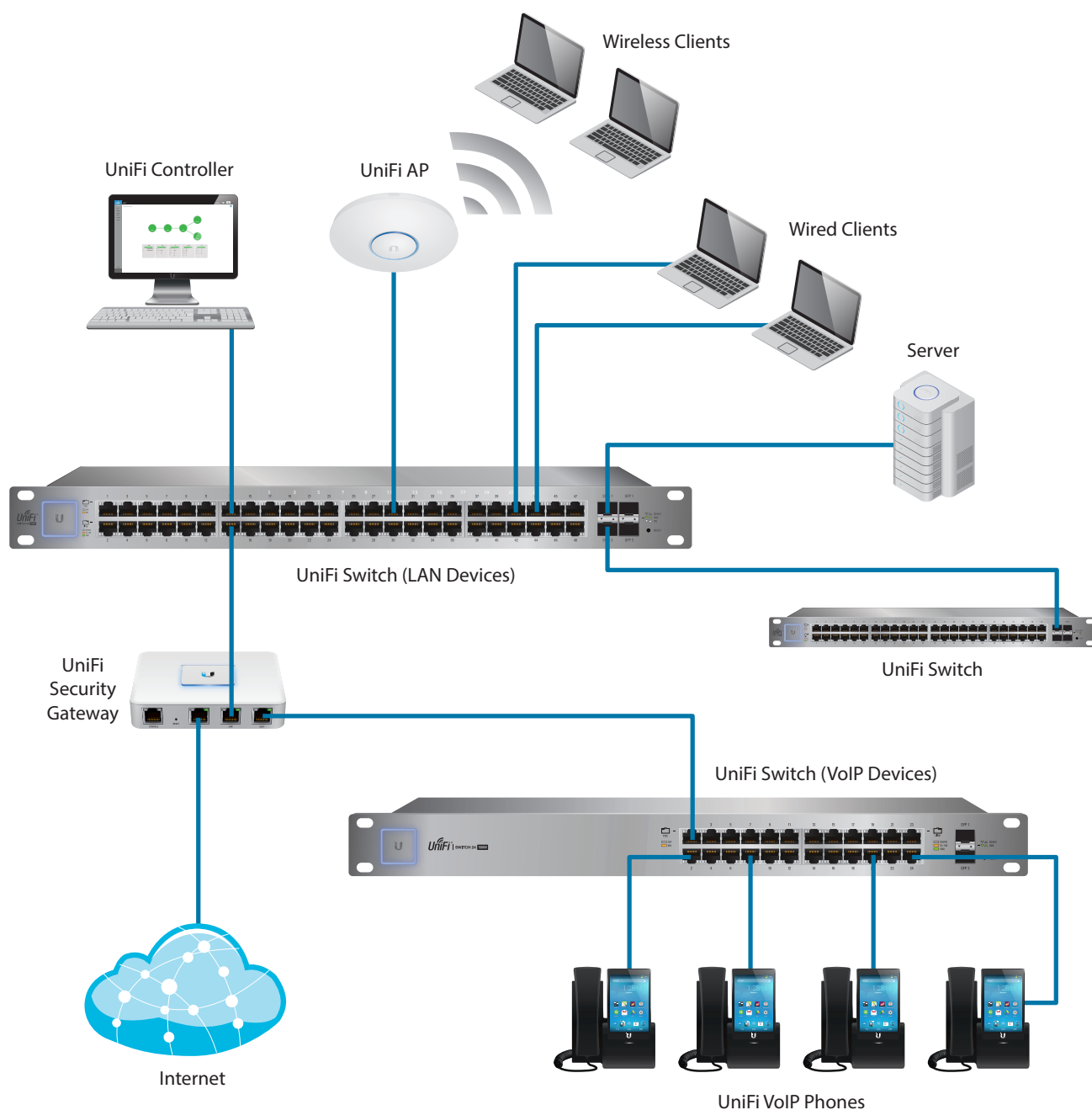
The UniFi Switch models are available with 24 or 48 PoE Gigabit Ethernet ports of auto-sensing IEEE 802.3af/at or configurable 24V passive PoE to simplify your infrastructure.

By default, the UniFi Switch automatically detects 802.3af/at devices so they automatically receive PoE. For 24V passive PoE devices, manually enable 24V passive PoE using the UniFi Controller software.

## Fiber Connectivity

The UniFi Switch provides fiber connectivity options for easy expansion of your networks. Each UniFi Switch model includes two SFP ports for uplinks of up to 1 Gbps.

Each 48-port model adds two SFP+ ports for high-capacity uplinks of up to 10 Gbps, so you can directly connect to a high-performance storage server or deploy a long-distance uplink to another switch.



# UniFi Controller

Designed for convenient management, the UniFi Controller software allows admins to configure and monitor the UniFi Switch and other UniFi devices using a graphical user interface. You can download it from [www.ubnt.com](http://www.ubnt.com) at no extra charge – there is no separate software, licensing, or support fee.

For advanced users, CLI management is available through Telnet, SSH, and the console port.

## Multi-Site Management

A single instance of the UniFi Controller running in the cloud can manage multiple UniFi sites within a centralized interface. Each site is logically separated and has its own network monitoring, configuration, maps, statistics, and admin accounts.

## Switch Configuration

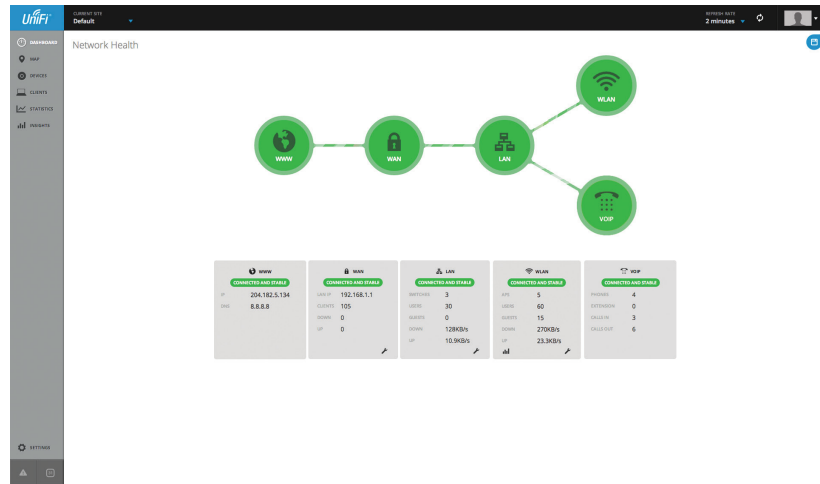
You can access any managed UniFi Switch through the UniFi Controller to configure a variety of features:

- PoE setting per port
- Operation mode (switching, mirroring, or aggregate) per port
- Network/VLAN configuration
- Jumbo frame and flow control services
- Network settings

## Switch Port Status

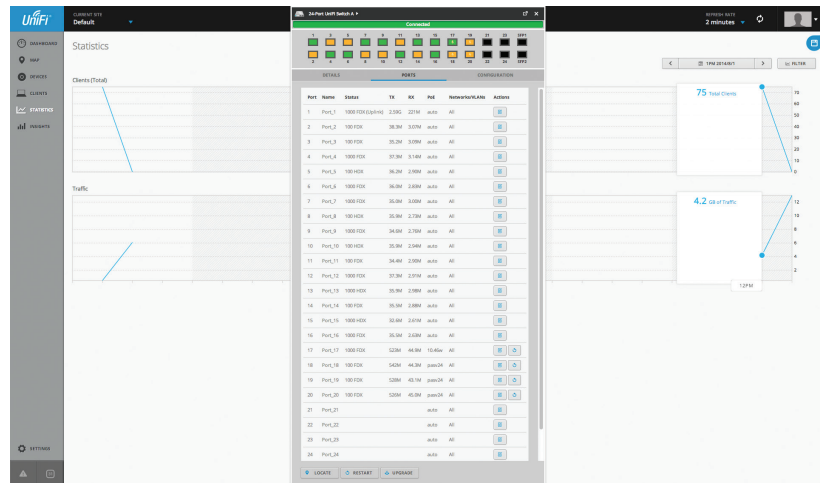
You can also view status information for each port:

- Connection speed and duplex mode
- TX/RX data rates
- PoE status
- Network/VLAN setting



## Dashboard

The *Dashboard* tab provides a visual representation of your network's status. Basic information is provided for each network segment.



## Statistics

The *Statistics* tab provides a visual representation of the network clients and network traffic carried by your managed UniFi Switches and APs.

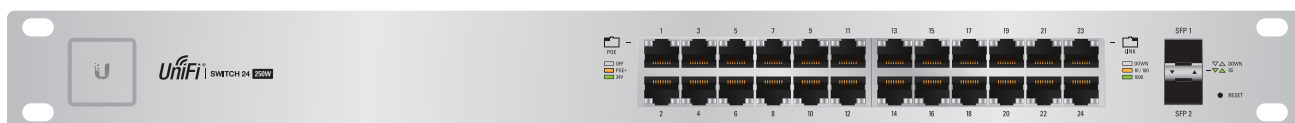


# Models

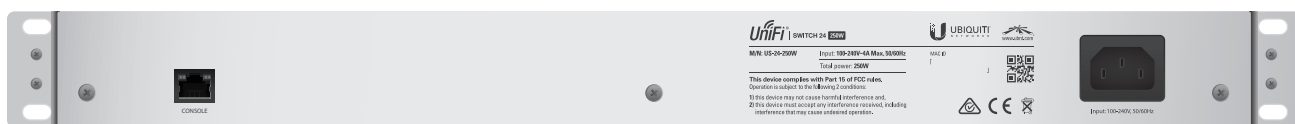
## UniFi Switch 24 (250W Model)

Model: US-24-250W

- (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: 250W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rackmountable



Front Panel

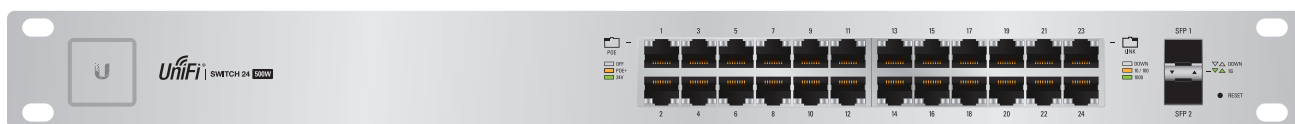


Back Panel

## UniFi Switch 24 (500W Model)

Model: US-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



Front Panel

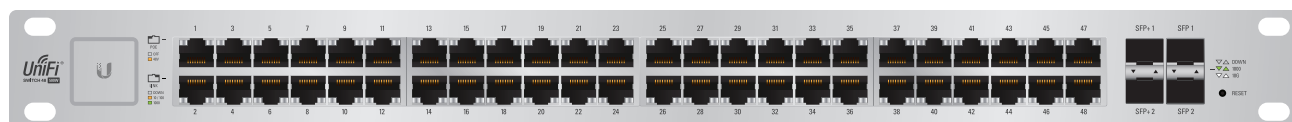


Back Panel

## UniFi Switch 48 (500W Model)

Model: US-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



Front Panel

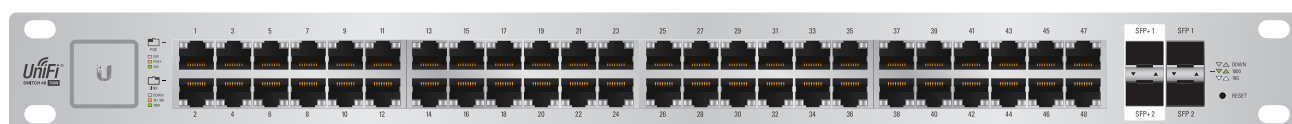


Back Panel

## UniFi Switch 48 (750W Model)

Model: US-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



Front Panel



Back Panel

# Hardware Specifications

| US-24-250W, US-24-500W        |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| Dimensions                    | 485.04 x 44.45 x 285.6 mm (19.1 x 1.75 x 11.24")                           |
| Weight                        | 3.7 kg (8.16 lb)                                                           |
| Total Non-Blocking Throughput | 26 Gbps                                                                    |
| Switching Capacity            | 52 Gbps                                                                    |
| Forwarding Rate               | 38.69 Mpps                                                                 |
| Max. Power Consumption        |                                                                            |
| US-24-250W                    | 250W                                                                       |
| US-24-500W                    | 500W                                                                       |
| Power Method                  | 100-240VAC/50-60 Hz, Universal Input                                       |
| Power Supply                  |                                                                            |
| US-24-250W                    | AC/DC, Internal, 250W DC                                                   |
| US-24-500W                    | AC/DC, Internal, 500W DC                                                   |
| LEDs Per Port                 |                                                                            |
| Serial Console Port           | N/A                                                                        |
| RJ45 Data Ports               | PoE, Speed/Link/Activity                                                   |
| SFP Data Ports                | Speed/Link/Activity                                                        |
| Networking Interfaces         | (24) 10/100/1000 Mbps RJ45 Ethernet Ports<br>(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-)<br>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                                                                            |

# Hardware Specifications

| US-48-500W, US-48-750W        |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Dimensions                    | 485.04 x 44.45 x 347.6 mm (19.1 x 1.75 x 13.69")                                                                |
| Weight                        | 5.3 kg (11.68 lb)                                                                                               |
| Total Non-Blocking Throughput | 70 Gbps                                                                                                         |
| Switching Capacity            | 140 Gbps                                                                                                        |
| Forwarding Rate               | 104.16 Mpps                                                                                                     |
| Max. Power Consumption        |                                                                                                                 |
| US-48-500W                    | 500W                                                                                                            |
| US-48-750W                    | 750W                                                                                                            |
| Power Method                  | 100-240VAC/50-60 Hz, Universal Input                                                                            |
| Power Supply                  |                                                                                                                 |
| US-48-500W                    | AC/DC, Internal, 500W DC                                                                                        |
| US-48-750W                    | AC/DC, Internal, 750W DC                                                                                        |
| LEDs Per Port                 |                                                                                                                 |
| Serial Console Port           | N/A                                                                                                             |
| RJ45 Data Ports               | PoE, Speed/Link/Activity                                                                                        |
| SFP+/SFP Data Ports           | Speed/Link/Activity                                                                                             |
| Networking Interfaces         | (48) 10/100/1000 Mbps RJ45 Ethernet Ports<br>(2) 1/10 Gbps SFP+ Ethernet Ports<br>(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                      |                                                                                   |
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| PoE Interfaces                    | POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-)<br>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                                                                            |

