

UniFi[®] | SWITCH

Managed PoE+ Gigabit Switches with SFP

Models: US-8-150W, 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

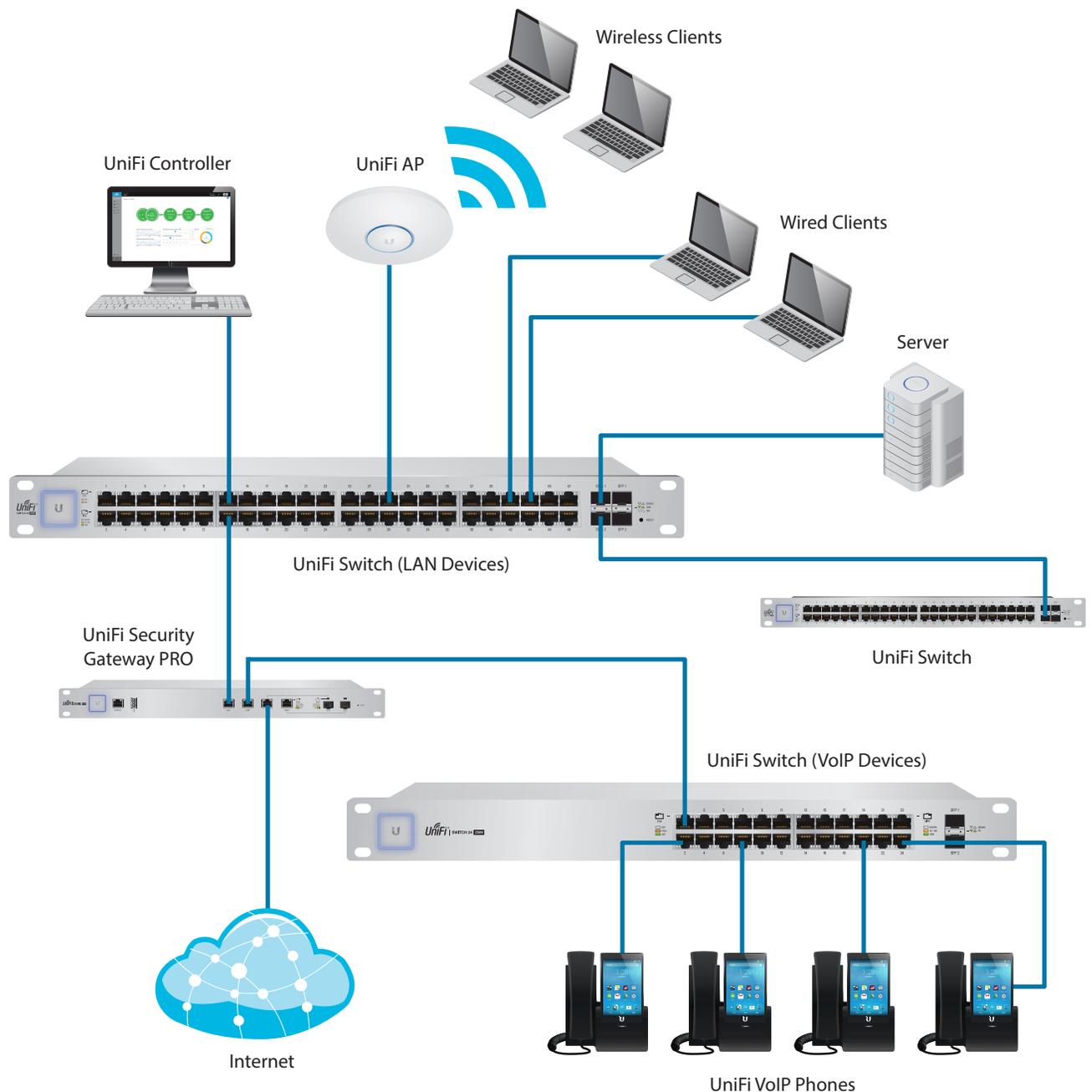
The UniFi Switch models are available with 8, 24, or 48 PoE Gigabit Ethernet ports of auto-sensing IEEE 802.3af/at or configurable 24V passive PoE to simplify your infrastructure.

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 at no extra charge – there is no separate software, licensing, or support fee.

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
- Storm control setting per port
- Spanning tree configuration

Switch Port Status

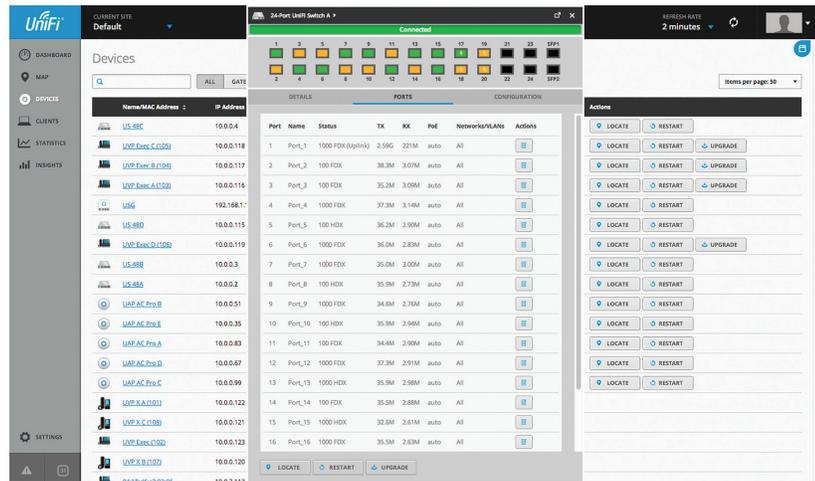
You can also view status information for each port:

- 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.



Device Configuration

The *Devices* screen displays the UniFi devices discovered by the UniFi Controller. You can access each managed device for device details and configuration.



Models

UniFi® | SWITCH 8 150W

Model: US-8-150W

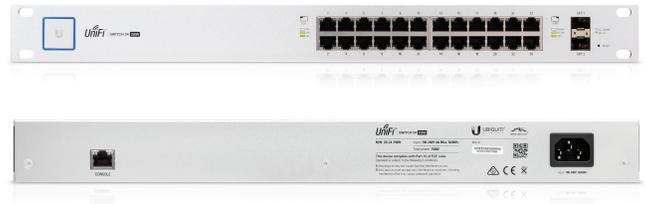
- (8) Gigabit RJ45 Ports
- (2) SFP Ports
- Non-Blocking Throughput: 10 Gbps
- Switching Capacity: 20 Gbps
- Forwarding Rate: 14.88 Mpps
- Maximum Power Consumption: 150W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Desktop-Mountable (Do not physically stack the US-8-150W.)



UniFi® | SWITCH 24 250W

Model: US-24-250W

- (24) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port (Reserved for Future Use)
- 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
- Rack-Mountable



UniFi® | SWITCH 24 500W

Model: US-24-500W

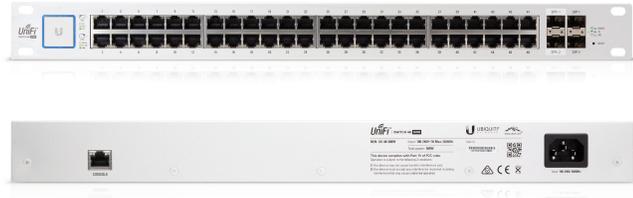
- (24) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port (Reserved for Future Use)
- Non-Blocking Throughput: 26 Gbps
- Switching Capacity: 52 Gbps
- Forwarding Rate: 38.69 Mpps
- Maximum Power Consumption: 500W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rack-Mountable



UniFi® | SWITCH 48 500W

Model: US-48-500W

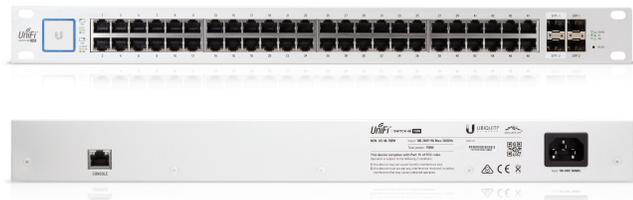
- (48) Gigabit RJ45 Ports
- (2) SFP+ Ports
- (2) SFP Ports
- (1) Serial Console Port (Reserved for Future Use)
- Non-Blocking Throughput: 70 Gbps
- Switching Capacity: 140 Gbps
- Forwarding Rate: 104.16 Mpps
- Maximum Power Consumption: 500W
- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rack-Mountable



UniFi® | SWITCH 48 750W

Model: US-48-750W

- (48) Gigabit RJ45 Ports
- (2) SFP+ Ports
- (2) SFP Ports
- (1) Serial Console Port (Reserved for Future Use)
- 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
- Rack-Mountable



Other Available UniFi Products



UniFi Cloud Key

UniFi VoIP Phone Executive

UniFi AC AP Pro

Hardware Specifications

| US-8-150W | | |
|-------------------------------|---|----------------------|
| Dimensions | 204 x 43 x 235 mm (8.03 x 1.69 x 9.25") | |
| Weight | 1.7 kg (3.75 lb) | |
| Total Non-Blocking Throughput | 10 Gbps | |
| Switching Capacity | 20 Gbps | |
| Forwarding Rate | 14.88 Mpps | |
| Max. Power Consumption | Including PoE Output | Excluding PoE Output |
| | 150W | 20W |
| Power Method | 100-240VAC/50-60 Hz, Universal Input | |
| Power Supply | AC/DC, Internal, 150W DC | |
| LEDs Per Port | RJ45 Data Ports | SFP Data Ports |
| | PoE, Speed/Link/Activity | Speed/Link/Activity |
| Networking Interfaces | (8) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports | |
| Management Interface | Ethernet In-Band | |
| Certifications | CE, FCC, IC | |
| 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 |

Hardware Specifications

| US-24-250W, US-24-500W | | | | |
|-------------------------------|--|----------------------|--------------------------|----------------------|
| Model | US-24-250W | | US-24-500W | |
| Weight | 4.7 kg (10.4 lb) | | 4.8 kg (10.6 lb) | |
| Max. Power Consumption | Including PoE Output | Excluding PoE Output | Including PoE Output | Excluding PoE Output |
| | 250W | 30W | 500W | 30W |
| Power Supply | AC/DC, Internal, 250W DC | | AC/DC, Internal, 500W DC | |
| Dimensions | 485 x 43.7 x 285.4 mm (19.09 x 1.72 x 11.24") | | | |
| Total Non-Blocking Throughput | 26 Gbps | | | |
| Switching Capacity | 52 Gbps | | | |
| Forwarding Rate | 38.69 Mpps | | | |
| Power Method | 100-240VAC/50-60 Hz, Universal Input | | | |
| LEDs Per Port | RJ45 Data Ports | | SFP Data Ports | |
| | PoE, Speed/Link/Activity | | Speed/Link/Activity | |
| Networking Interfaces | (24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports | | | |
| Management Interface | (1) RJ45 Serial Port (Reserved for Future Use), Ethernet In-Band/Out-of-Band | | | |
| Certifications | CE, FCC, IC | | | |
| Rack Mount | 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 |

Hardware Specifications

| US-48-500W, US-48-750W | | | | |
|-------------------------------|---|----------------------|--------------------------|----------------------|
| Model | US-48-500W | | US-48-750W | |
| Weight | 6.1 kg (13.5 lb) | | 6.5 kg (14.3 lb) | |
| Max. Power Consumption | Including PoE Output | Excluding PoE Output | Including PoE Output | Excluding PoE Output |
| | 500W | 64W | 750W | 64W |
| Power Supply | AC/DC, Internal, 500W DC | | AC/DC, Internal, 750W DC | |
| Dimensions | 485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75") | | | |
| Total Non-Blocking Throughput | 70 Gbps | | | |
| Switching Capacity | 140 Gbps | | | |
| Forwarding Rate | 104.16 Mpps | | | |
| Power Method | 100-240VAC/50-60 Hz, Universal Input | | | |
| 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 (Reserved for Future Use), Ethernet In-Band/Out-of-Band | | | |
| Certifications | CE, FCC, IC | | | |
| Rack Mount | 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 |

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ubnt.com/support/warranty
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