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

UBIQUITI® NETWORKS

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.
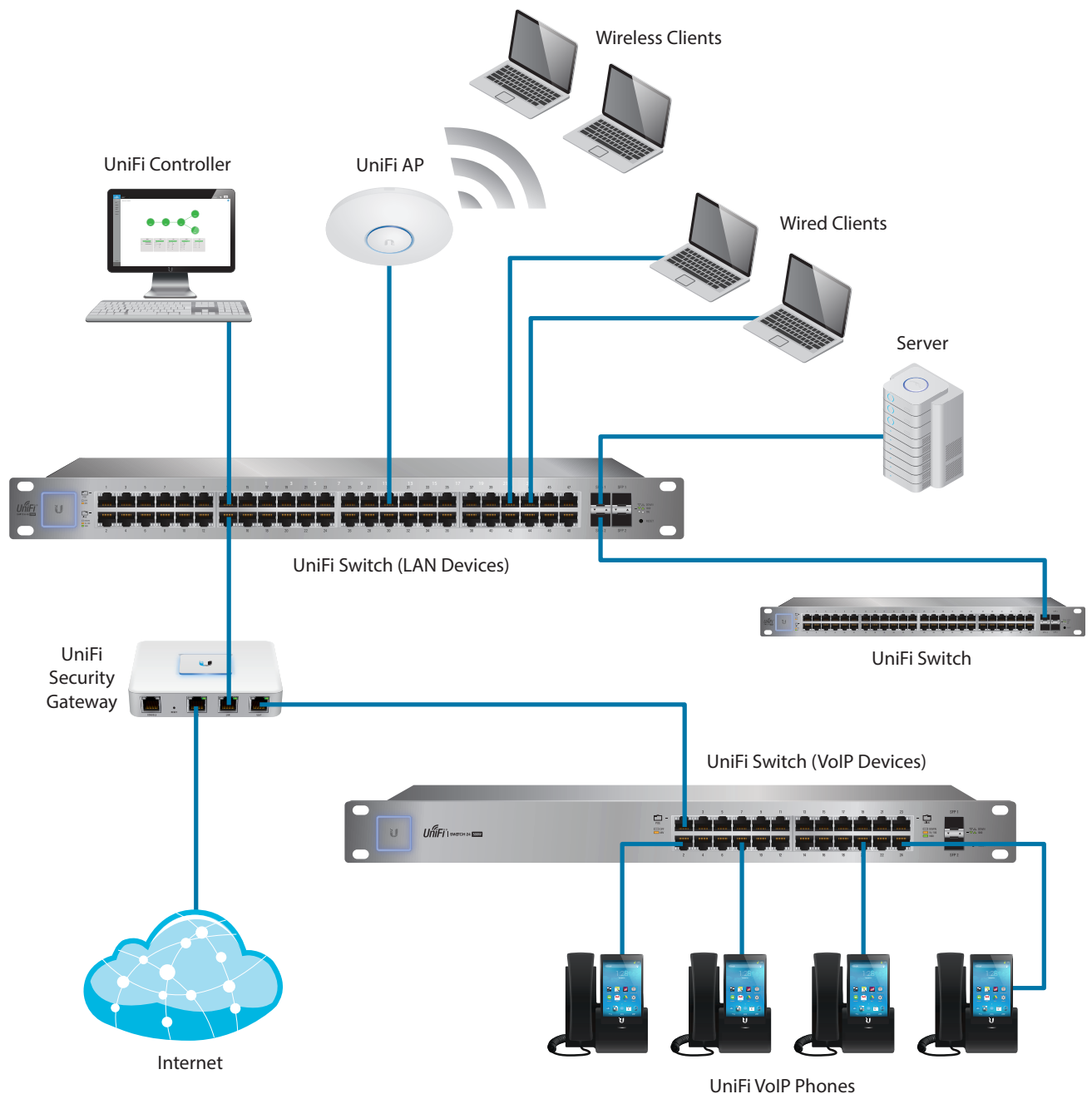
PoE+ Flexibility

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.

Wireless Clients

UniFi Controller   UniFi AP

Wired Clients

Server

UniFi Switch (LAN Devices)

UniFi Switch

UniFi Security Gateway

UniFi Switch (VoIP Devices)

Internet

UniFi VoIP Phones

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.
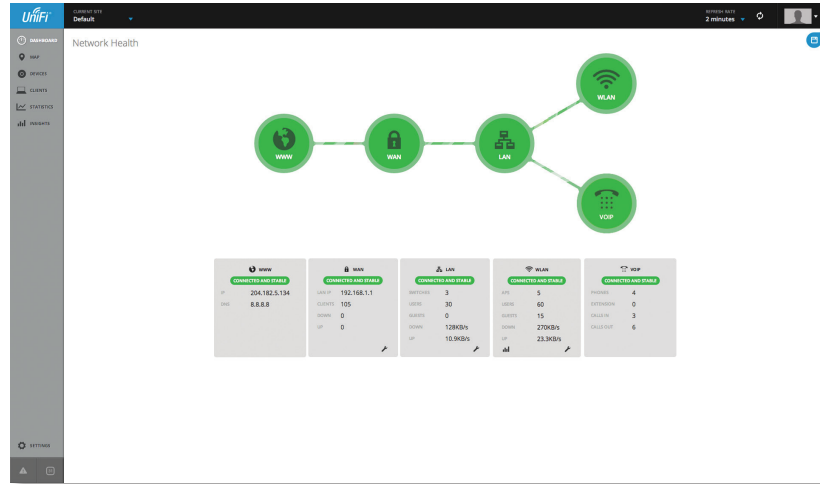
Switch Configuration

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
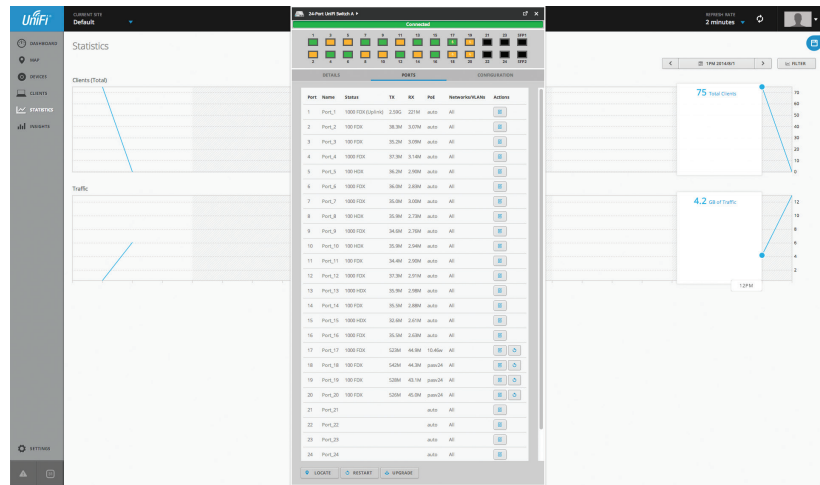- Network settings

Switch Port Status

You can also view status information for each port:

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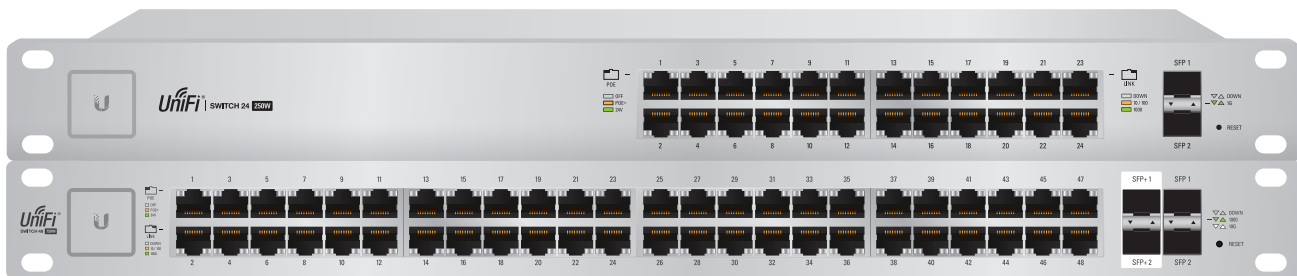- TX/RX data rates
- PoE status
- Network/VLAN setting

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.
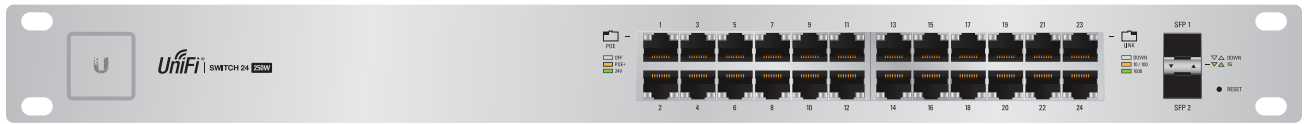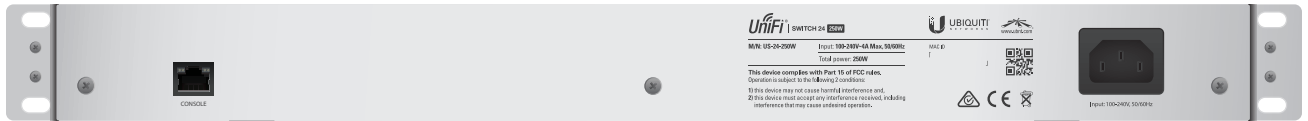
Models

UniFi Switch 24 (250W Model)

Model: US-24-250W

- (24) Gigabit RJ45 ports
- (2) SFP ports
- (1) Serial console port (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
- 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 (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
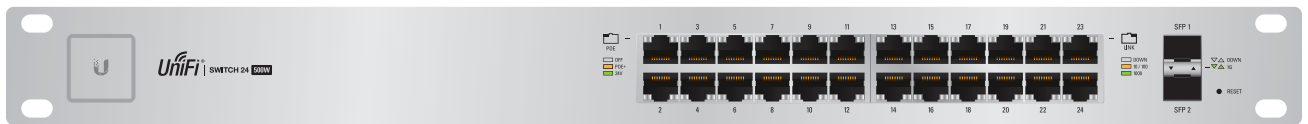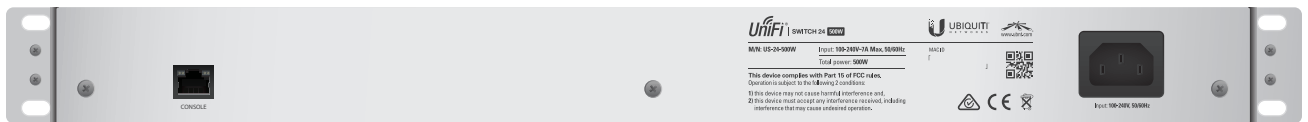- Rackmountable

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 (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
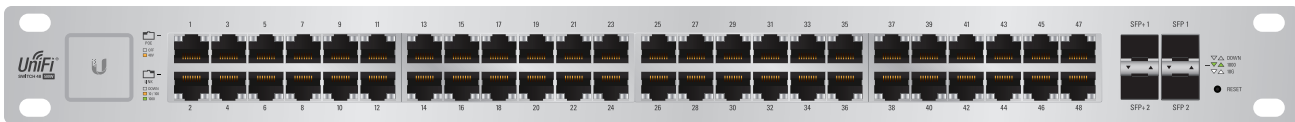- Rackmountable

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 (reserved for future use)
- Non-blocking throughput: 70 Gbps
- Switching capacity: 140 Gbps
- Forwarding rate: 104.16 Mpps
- Maximum power consumption: 750W
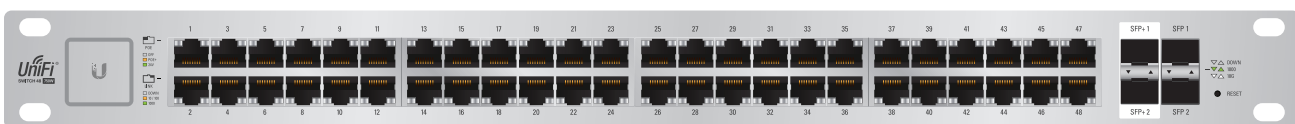- Supports POE+ IEEE 802.3at/af and 24V Passive PoE
- Rackmountable

Front Panel

Back Panel

UniFi® Switch

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
    US-24-500W
	
	250W
	500W

Power Method	100-240VAC/50-60 Hz, Universal Input

Power Supply
    US-24-250W
    US-24-500W
	
	AC/DC, Internal, 250W DC
	AC/DC, Internal, 500W DC

LEDs Per Port
    Serial Console Port
  RJ45 Data Ports
  SFP Data Ports
	
	N/A
	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/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

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 US-48-750W	 500W 750W
Power Method	100-240VAC/50-60 Hz, Universal Input
Power Supply US-48-500W US-48-750W	 AC/DC, Internal, 500W DC AC/DC, Internal, 750W DC
LEDs Per Port Serial Console Port RJ45 Data Ports SFP+/SFP Data Ports	 N/A 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/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

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