UniFi® | SWITCH

DATASHEET

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.
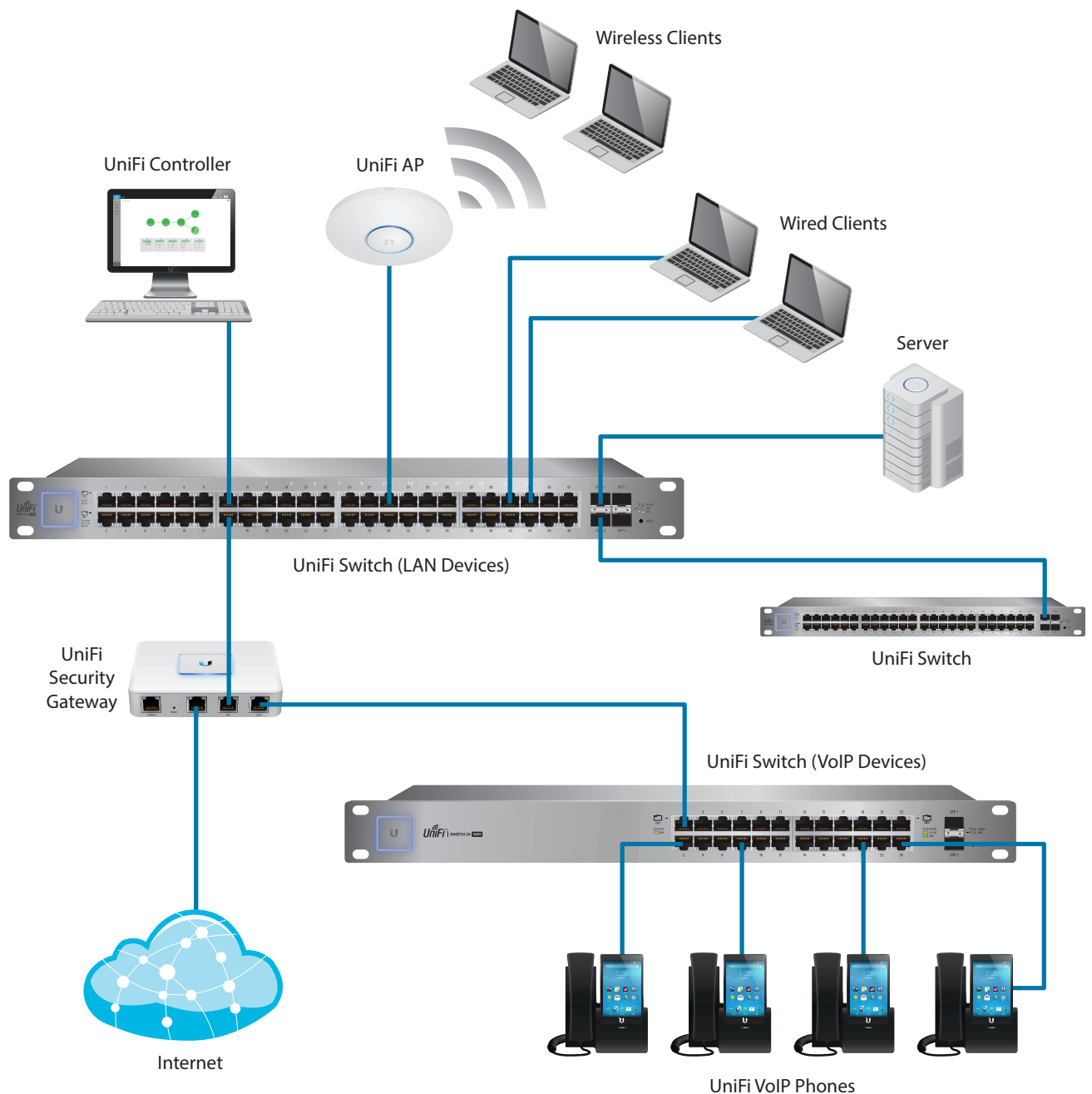
PoE+ Flexibility

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.

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.
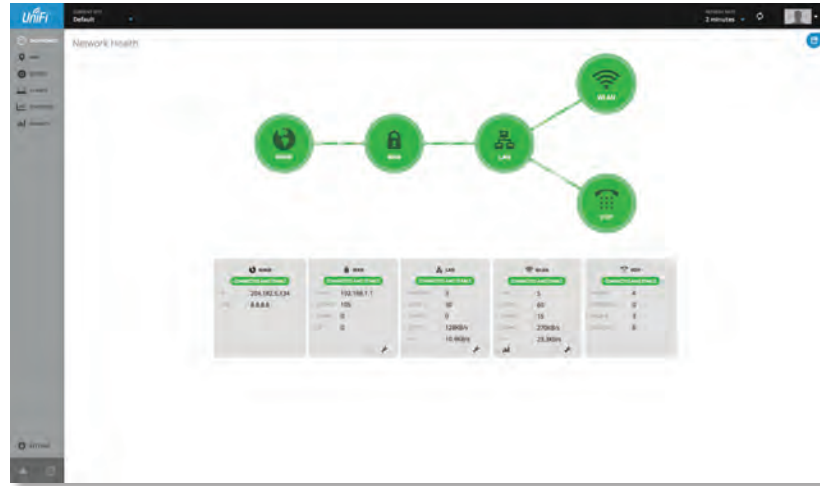
Switch Configuration

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
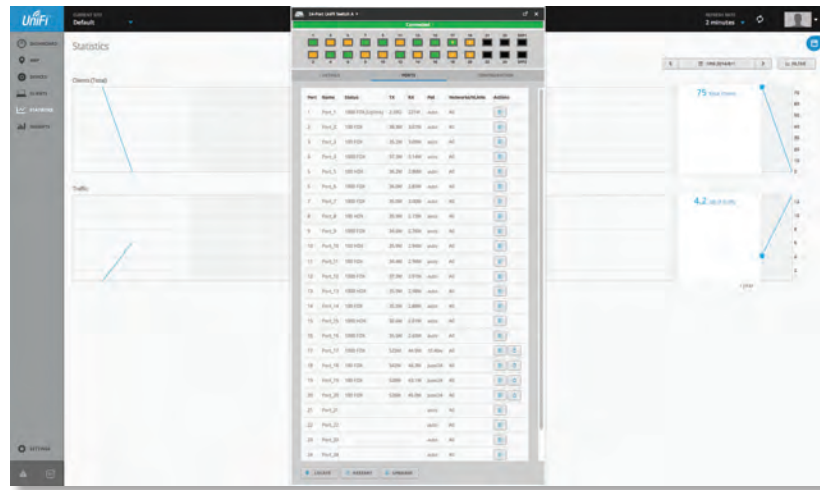• Network settings

Switch Port Status

You can also view status information for each port:

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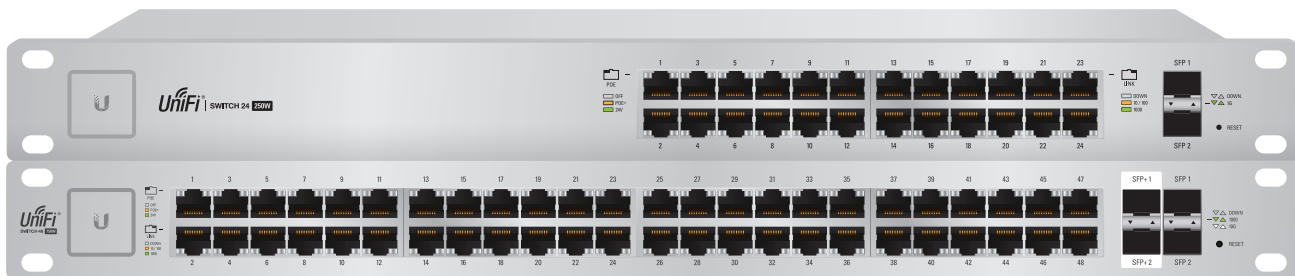• Network/VLAN setting

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.

Hardware Specifications

US-48-500W, US-48-750W	
Dimensions	485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75")

Weight
  US-48-500W
  US-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
  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

www.ubnt.com

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