



UniFi® | SWITCH 8

Fully Managed Gigabit Switches

Models: US-8, US-8-60W

Non-Blocking Throughput Switching Performance

Gigabit Ethernet RJ45 Ports

Robust Performance for Enterprise Networks



UniFi® | SWITCH

Overview

Build and expand your network with Ubiquiti Networks® UniFi® Switch, part of the UniFi line of products.

The new 8-port models feature Gigabit Ethernet ports in a compact form factor. The switches are fully manageable, delivering robust performance and intelligent switching for your networks.

Switching Performance

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

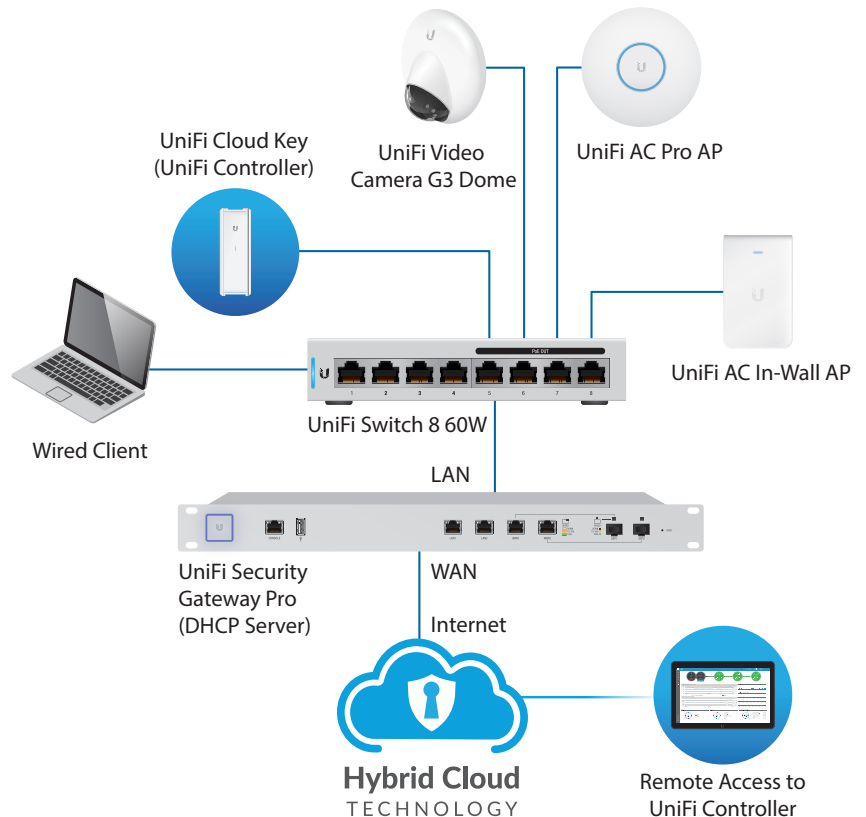
For its total, non-blocking throughput, each UniFi Switch supports up to 8 Gbps with a switching capacity of 16 Gbps.

PoE

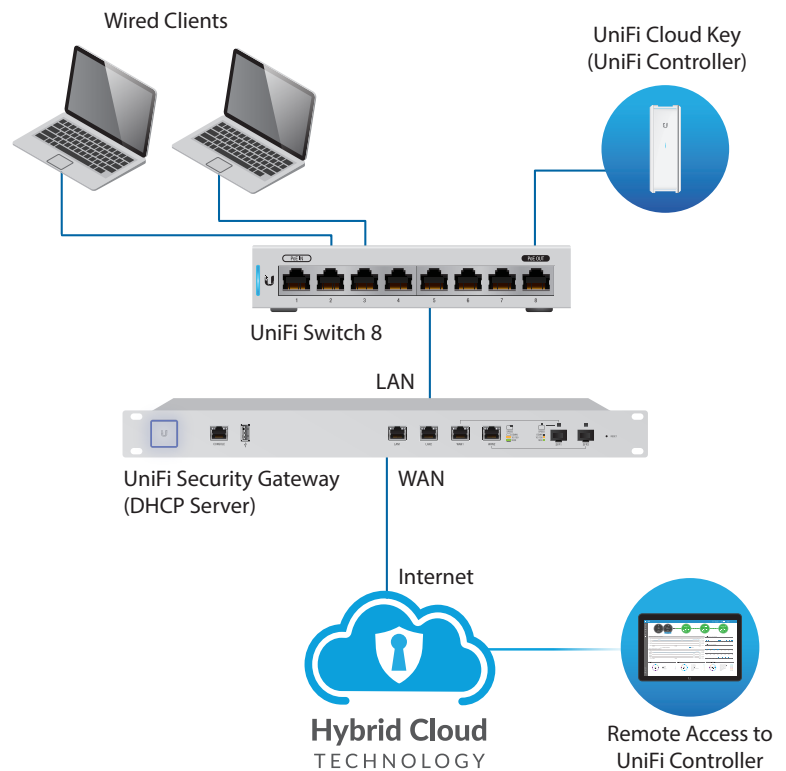
The US-8 can be powered by 802.3af/at PoE, 48V passive PoE, or the included power adapter*. 48V passive PoE passthrough is supported on port 8.

Port 8 can deliver up to 12W of power when powered by 802.3at PoE+, 48V passive PoE, or the included power adapter*. (If the power source is 802.3af PoE, then the PoE output budget will be less than 12W.)

The US-8-60W is powered by its included power adapter. It has four auto-sensing PoE ports delivering up to 15.4W of power per port.



US-8-60W Sample Network Diagram



US-8 Sample Network Diagram

* Included only in single-packs of the US-8.

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

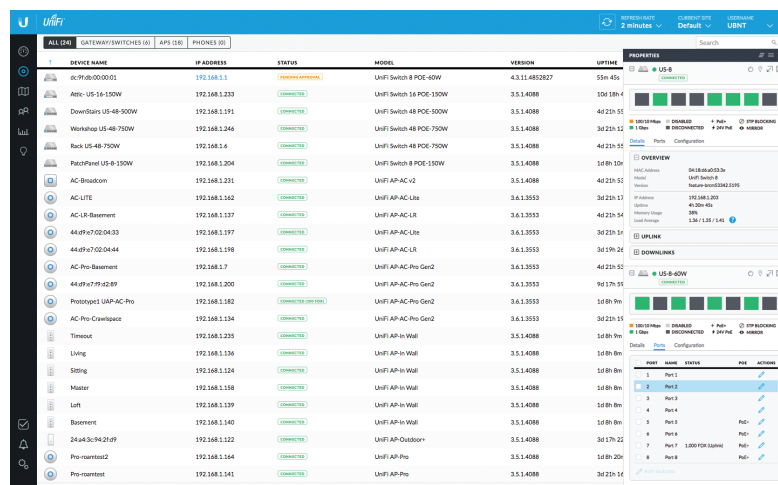
You can access any managed UniFi Switch through the UniFi Controller to configure a variety of features:

- 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
- 802.1x control and RADIUS VLAN
- Debug terminal option for command-line interface

Switch Port Status

You can also view status information for each port:

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



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.



Statistics

The *Switch Statistics* screen displays a graphical overview of all LAN throughput for each port on the selected switch. Under the same pane of glass, it also shows LAN, WLAN, and Internet traffic, including the breakdown of protocols being used (requires a UniFi Security Gateway).

SWITCH	NAME	POE	MODE	NETWORK/VLAN	LINK STATUS	TX	RX	TX RATE	RX RATE	ACTIVITY	ACTIONS
1	US-60W-Lab	Port 1	Switching	All	1,000 FCN	Forwarding	4,39 KB	247 MB	4.38 MB/s	124 MB/s	[EDIT] [CLEAR COUNTERS]
1	US-6	Port 1	Switching	All	1,000 FCN (LabNet)	Forwarding	8,01 KB	9,12 MB	0.81 MB/s	1.02 MB/s	[EDIT] [CLEAR COUNTERS]
1	US-6	Port 1	Switching	All	1,000 FCN	Forwarding	394 KB	1,14 MB	291 B/s	208 B/s	[EDIT] [CLEAR COUNTERS]
1	US-24-250W	Port 1	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
2	US-24-250W	Port 2	Switching	All	1,000 FCN	Forwarding	1,74 KB	105 MB	4.07 MB/s	97.8 MB/s	[EDIT] [CLEAR COUNTERS]
2	US-60W-Lab	Port 2	Switching	All	1,000 FCN	Forwarding	11,19 KB	740 KB	38.1 KB/s	1.94 MB/s	[EDIT] [CLEAR COUNTERS]
2	US-6	Port 2	Switching	All	1,000 FCN (LabNet)	Forwarding	786 KB	11.7 MB	929 B/s	1.92 MB/s	[EDIT] [CLEAR COUNTERS]
3	US-60W-Lab	Port 3	Switching	All	1,000 FCN	Forwarding	954 KB	207 KB	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
3	US-24-250W	Port 3	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
3	US-6	Port 3	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
4	US-60W-Lab	Port 4	Switching	All	1,000 FCN (LabNet)	Forwarding	264 KB	4.44 GB	123 MB/s	4.41 MB/s	[EDIT] [CLEAR COUNTERS]
4	US-6	Port 4	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
4	US-24-250W	Port 4	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
5	US-6	Port 5	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
5	US-6	Port 5	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
5	US-60W-Lab	Port 5	Switching	All	1,000 FCN	Forwarding	2,22 MB	1.01 MB	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
5	US-24-250W	Port 5	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
5	US-6	Port 5	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
6	US-60W-Lab	Port 6	Switching	All	1,000 FCN	Forwarding	101 MB	92.1 MB	254 B/s	48 B/s	[EDIT] [CLEAR COUNTERS]
6	US-6	Port 6	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
6	US-24-250W	Port 6	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
7	US-60W-Lab	Port 7	Switching	All	1,000 FCN	Forwarding	1,23 MB	485 KB	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
7	US-6	Port 7	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
7	US-24-250W	Port 7	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
8	US-6	Port 8	Switching	All	1,000 FCN	Forwarding	12,19 KB	1,03 MB	1.84 MB/s	489 B/s	[EDIT] [CLEAR COUNTERS]
8	US-24-250W	Port 8	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]
8	US-60W-Lab	Port 8	Switching	All	1,000 FCN	Forwarding	303 MB	133 MB	2.98 B/s	3.77 MB/s	[EDIT] [CLEAR COUNTERS]
8	US-6	Port 8	Switching	All	1,000 FCN	Forwarding	0 B	0 B	0 B/s	0 B/s	[EDIT] [CLEAR COUNTERS]

Insights

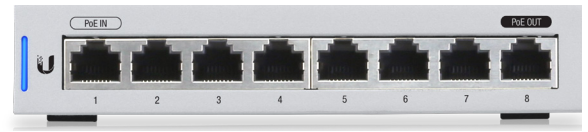
On the *Insights* screen, the *Switch Stats* filter displays information about the status, ports, PoE, and traffic activity of the UniFi Switches.

Models

UniFi® SWITCH 8

Model: US-8

- (8) Gigabit RJ45 Ports
- (1) PoE Passthrough Port
- Non-Blocking Throughput: 8 Gbps
- Switching Capacity: 16 Gbps
- Forwarding Rate: 11.9 Mpps
- Maximum Power Consumption: 12W
- PoE or DC Input Option
- Available in Single-Pack and 5-Pack
(Power Supply Not Included with 5-Pack)



UniFi® SWITCH 8 60W

Model: US-8-60W

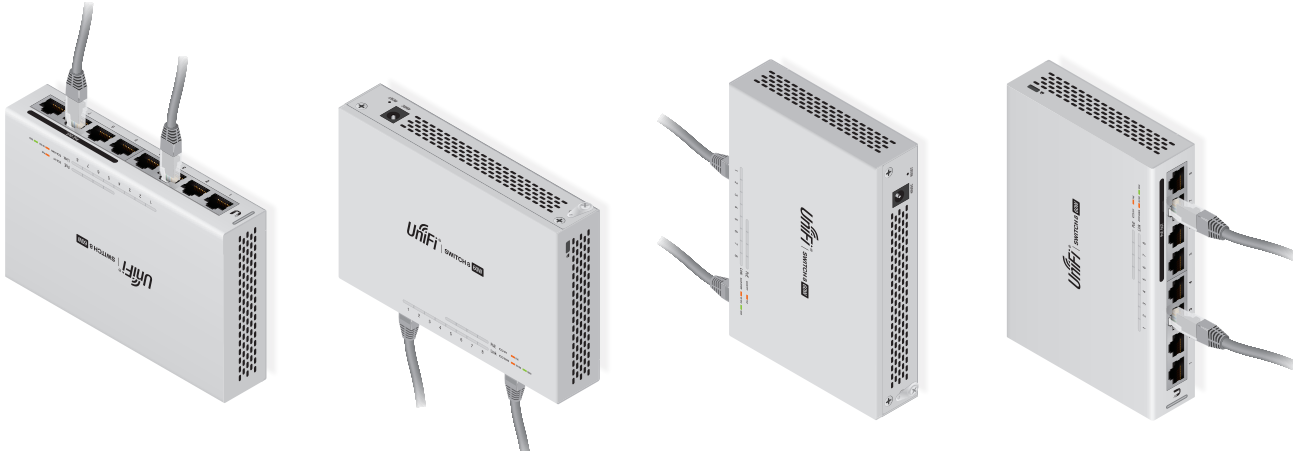
- (8) Gigabit RJ45 Ports
- (4) Auto-Sensing IEEE 802.3af PoE Ports
- Non-Blocking Throughput: 8 Gbps
- Switching Capacity: 16 Gbps
- Forwarding Rate: 11.9 Mpps
- Maximum Power Consumption: 12W
- Available in Single-Pack and 5-Pack



Mounting Versatility

The UniFi Switch offers the following mounting options:

- **Wall Mounting** You can attach the UniFi Switch to a vertical surface using the included wall-mounting hardware. You can position the switch so that the ports face in any of four directions: up, down, left, or right.

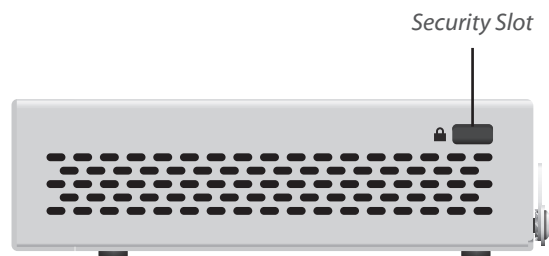


- **Desktop Placement** You can place the UniFi Switch on a level, horizontal surface such as a table or desktop. The built-in, non-skid rubber feet help hold the switch firmly in place.



Security Slot

To help deter theft, you can attach a lock to the security slot on the side of the UniFi Switch.

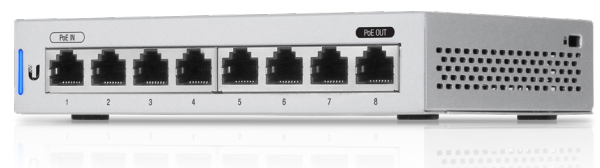


Specifications

US-8	
Dimensions	148.0 x 99.5 x 30.7 mm (5.83 x 3.92 x 1.21")
Weight	432 g (15.24 oz)
Enclosure Characteristics	SGCC Steel
Total Non-Blocking Throughput	8 Gbps
Switching Capacity	16 Gbps
Forwarding Rate	11.9 Mpps
Max. Power Consumption	12W (Excluding PoE Output)
Max. Passive PoE Wattage per Port	PoE Mode 1: 12W @ 802.3at PoE Mode 2: 12W @ 48V DC Input Mode: 12W @ 48V
Passive PoE Voltage Range	Depends on Power Source
Power Method	(1) DC 48V, Max. 1.25A (1) PoE Input, 802.3 af/at (Pins +1, 2; -3, 6)
Supported Voltage Range	DC: 48V; 48V Mode: 56V to 40V
Power Supply	External AC/DC Adapter ¹ : 100-240VAC, 50/60 Hz; 48VDC, 0.5A
LEDs	PoE (Port 8), Speed/Link/Activity (All Ports)
Sound Level ²	0.7 dBr (Fanless)
Networking Interfaces	(8) 10/100/1000 Mbps RJ45 Ports
PoE In Interface (Port 1)	PoE Mode 1: 802.3af/at (Pins +1, 2; -3, 6) PoE Mode 2: 48V (Pins +4, 5; -7, 8)
PoE Out Interface (Port 8)	PoE Mode 1: 48V (Pins +1, 2; -3, 6) PoE Mode 2: Passive 48V (Pins +4, 5; -7, 8) DC Input Mode: DC Passthrough (Pins +1, 2; -3, 6)
Management Interface	Ethernet In-Band Management
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Operating Temperature	-5 to 45° C (23 to 113° F)
Operating Humidity	5 to 95% Noncondensing
Shock and Vibration	ETSI300-019-1.4 Standard
Certifications	CE, FCC, IC

¹ Included only in single-packs of the US-8.

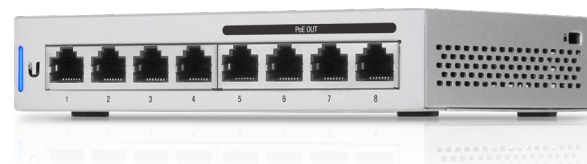
² Background noise level: 27.5 dBA



Specifications

US-8-60W	
Dimensions	148.0 x 99.5 x 30.7 mm (5.83 x 3.92 x 1.21")
Weight	432 g (15.24 oz)
Enclosure Characteristics	SGCC Steel
Total Non-Blocking Throughput	8 Gbps
Switching Capacity	16 Gbps
Forwarding Rate	11.9 Mpps
Max. Power Consumption	12W (Excluding PoE Output)
Max. PoE Wattage per Port	15.4W
Power Method	48VDC, Max. 2A
Supported Voltage Range	57VDC to 44VDC
Power Supply	External AC/DC Adapter: 100-240VAC, 50/60 Hz; 48VDC, 1.25A
LEDs	PoE (Port 8), Speed/Link/Activity (All Ports)
Sound Level*	0.6 dBr (Fanless)
Networking Interfaces	(8) 10/100/1000 Mbps RJ45 Ports
PoE Interfaces	(4) Ports 5, 6, 7, 8; IEEE802.3af
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Operating Temperature	-5 to 45° C (23 to 113° F)
Operating Humidity	5 to 95% Noncondensing
Shock and Vibration	ETSI300-019-1.4 Standard
Certifications	CE, FCC, IC

* Background noise level: 27.5 dBa



UniFi AP and Video Camera Compatibility

The UniFi Switch is compatible with UniFi Access Points and UniFi G3 Video Cameras, as detailed below.

AP/Camera Model	US-8	US-8-60W	US-8-150W	US-16-150W	US-24-250W	US-24-500W	US-48-500W	US-48-750W
UVC-G3			✓	✓	✓	✓	✓	✓
UVC-G3-AF	✓	✓	✓	✓	✓	✓	✓	✓
UVC-G3-DOME	✓	✓	✓	✓	✓	✓	✓	✓
UAP			✓	✓	✓	✓	✓	✓
UAP-LR			✓	✓	✓	✓	✓	✓
UAP-PRO	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-LITE ¹	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-LR ¹	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-PRO	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-M	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-M-PRO	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-IW ²	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-IW-PRO ²	✓	✓	✓	✓	✓	✓	✓	✓
UAP-AC-HD	–	–	✓	✓	✓	✓	✓	✓

✓ Compatible with the UniFi switch



Requires Instant 802.3af Gigabit PoE Converter: INS-3AF-I-G  or INS-3AF-O-G 

Notes:

1. UAP-AC-LITE and UAP-AC-LR models manufactured before September 2016 require the Instant 802.3af Gigabit PoE Converter.

2. For the UAP-AC-IW and UAP-AC-IW-PRO, PoE passthrough is supported by all of the switches listed above except for models US-8 and US-8-60W.

Related Product Datasheets



UniFi PoE Switches:

dl.ubnt.com/datasheets/unifi/UniFi_PoE_Switch.pdf



UniFi AC APs:

dl.ubnt.com/datasheets/unifi/UniFi_AC_APs_DS.pdf



UniFi G3 Video Cameras:

dl.ubnt.com/datasheets/unifi/UniFi_Video_G3_DS.pdf

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ui.com/support/warranty
The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.
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