



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.

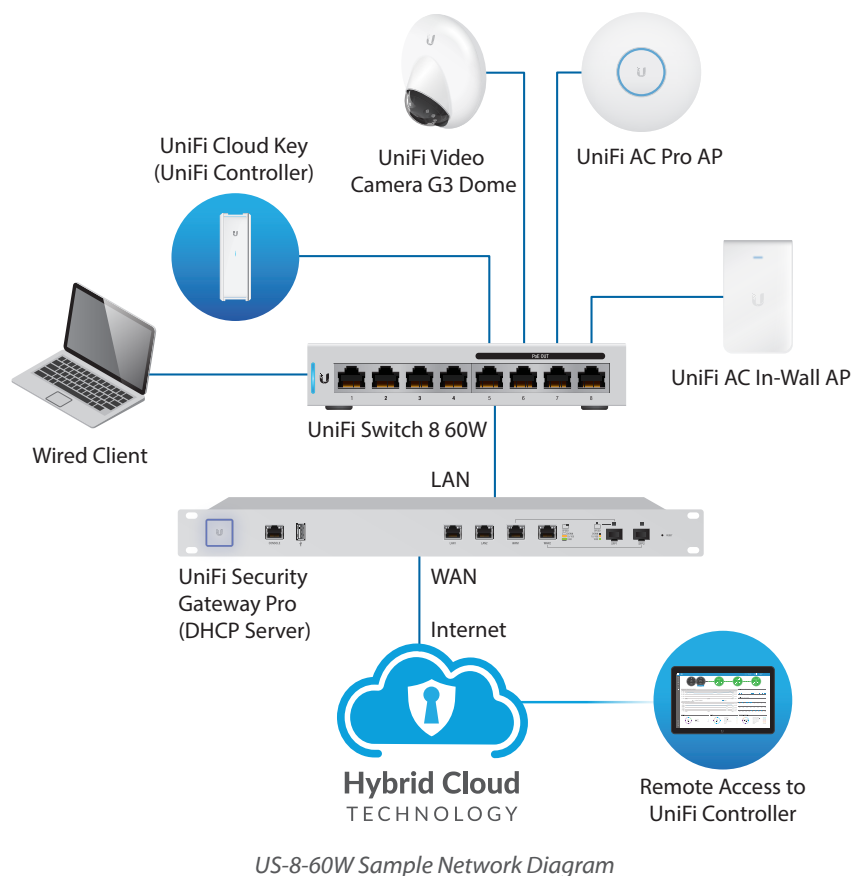
PoE

The US-8 can be powered by 802.3af/at, 48V passive PoE, or the included power adapter. When the US-8 is powered by 802.3at PoE or the included power supply, port 8 supports 48V (2-pair) PoE passthrough to deliver up to 12W of power.

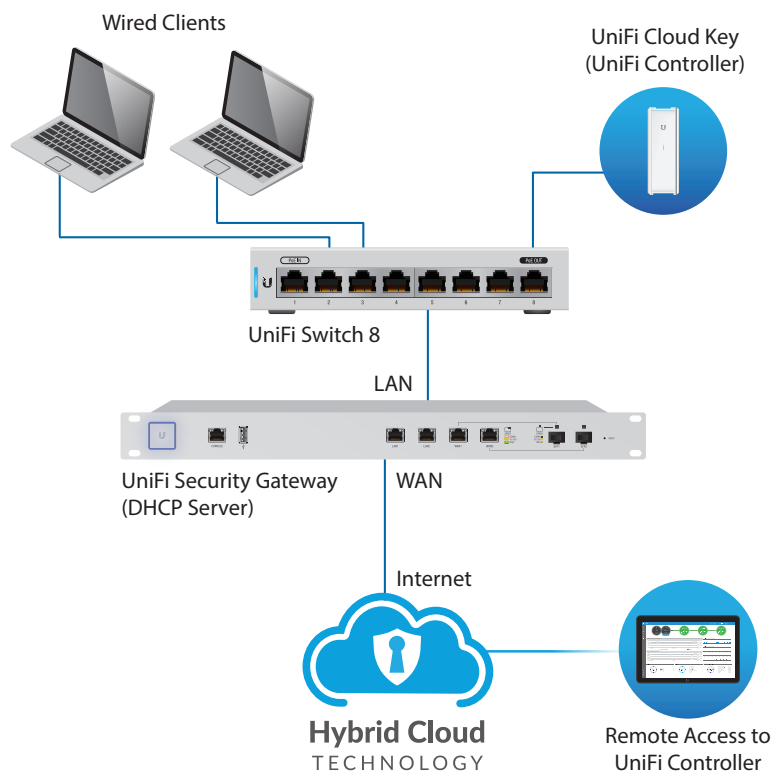
The following table displays the PoE passthrough options for the US-8:

Power Input	PoE Passthrough
802.3af In	No PoE Out
802.3at In	802.3af Out
Power Supply (Included)	48V Passive Out

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

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

The screenshot shows the 'DEVICES' screen in the UniFi Controller. It displays a table of all discovered UniFi devices. The table has columns for DEVICE NAME, IP ADDRESS, STATUS, MODEL, VERSION, and UPTIME. On the right side, there is a 'PROPERTIES' panel for the selected device, showing details like MAC Address, Model, and various configuration options like UPLINK and DOWNLINKS.

DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	UPTIME
6C7B0B000001	192.168.1.1	CONNECTED	UniFi Switch 8 PoE 40W	3.5.1.4652027	25h 45m
Atto-US-16-150W	192.168.1.233	CONNECTED	UniFi Switch 16 PoE 150W	3.5.1.4086	10h 38m
Download-US-48-500W	192.168.1.191	CONNECTED	UniFi Switch 48 PoE 500W	3.5.1.4086	4d 23h 55
Workshop-US-48-750W	192.168.1.246	CONNECTED	UniFi Switch 48 PoE 750W	3.5.1.4086	4d 23h 55
Reck-US-48-750W	192.168.1.4	CONNECTED	UniFi Switch 48 PoE 750W	3.5.1.4086	4d 23h 55
PatPatent-US-8-150W	192.168.1.204	CONNECTED	UniFi Switch 8 PoE 150W	3.5.1.4086	5d 18h 30
AC-Breakout	192.168.1.231	CONNECTED	UniFi AP-AC v2	3.5.1.4086	4d 23h 55
AC-LITE	192.168.1.162	CONNECTED	UniFi AP-AC-Lite	3.5.1.3553	3d 23h 55
AC-LR-Basement	192.168.1.137	CONNECTED	UniFi AP-AC-Lite	3.5.1.3553	4d 23h 54
44d97d70204303	192.168.1.137	CONNECTED	UniFi AP-AC-Lite	3.5.1.3553	3d 23h 54
44d97d70204444	192.168.1.138	CONNECTED	UniFi AP-AC-Lite	3.5.1.3553	3d 23h 54
AC-Pro-Basement	192.168.1.7	CONNECTED	UniFi AP-AC-Pro Gen2	3.5.1.3553	4d 23h 55
Protopipe1 UAP-AC-Pro	192.168.1.182	CONNECTED (UNREACH)	UniFi AP-AC-Pro Gen2	3.5.1.3553	5d 18h 31
AC-Pro-Corridor	192.168.1.134	CONNECTED	UniFi AP-AC-Pro Gen2	3.5.1.3553	5d 18h 31
Timeout	192.168.1.239	CONNECTED	UniFi AP-In-Wall	3.5.1.4086	5d 18h 31
Living	192.168.1.136	CONNECTED	UniFi AP-In-Wall	3.5.1.4086	5d 18h 31
Storage	192.168.1.124	CONNECTED	UniFi AP-In-Wall	3.5.1.4086	5d 18h 31
Master	192.168.1.139	CONNECTED	UniFi AP-In-Wall	3.5.1.4086	5d 18h 31
Loft	192.168.1.140	CONNECTED	UniFi AP-In-Wall	3.5.1.4086	5d 18h 31
Basement	192.168.1.124	CONNECTED	UniFi AP-AC-Pro	3.5.1.4086	5d 18h 31
24d43c7d2049	192.168.1.124	CONNECTED	UniFi AP-AC-Pro	3.5.1.4086	5d 18h 31
Pro-variant2	192.168.1.141	CONNECTED	UniFi AP-AC-Pro	3.5.1.4086	5d 18h 31
Pro-variant	192.168.1.141	CONNECTED	UniFi AP-AC-Pro	3.5.1.4086	5d 18h 31

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).

The screenshot shows the 'INSIGHTS' screen in the UniFi Controller. It displays a table of all managed UniFi switches. The table has columns for SWITCH NAME, POE, MODE, NETWORK/VLAN, LINK STATUS, TX, RX, TX RATE, RX RATE, ACTIVITY, and ACTIONS. On the right side, there is a 'LINK STATUS' panel for the selected switch, showing details like Link Status, TX, RX, TX RATE, RX RATE, and ACTIVITY.

SWITCH NAME	POE	MODE	NETWORK/VLAN	LINK STATUS	TX	RX	TX RATE	RX RATE	ACTIVITY	ACTIONS
US-40W-Lite	Port 1	Switching	All	1,000 PGM	Forwarding	4,310 B/s	247 MB/s	4.38 MB/s	124 MB/s	EDIT
44d97d70204303	Port 1	Switching	All	1,000 PGM (L2/L3)	Forwarding	8,010 B/s	91,010 B/s	9.16 MB/s	1,420 MB/s	EDIT
US-8	Port 1	Switching	All	1,000 PGM	Forwarding	394 B/s	1,164 MB/s	295 B/s	208 MB/s	EDIT
US-24-250W	Port 1	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 2	Switching	All	1,000 PGM	Forwarding	1,740 B/s	105 MB/s	4,07 MB/s	97.8 MB/s	EDIT
44d97d70204303	Port 2	Switching	All	1,000 PGM (L2/L3)	Forwarding	11,140 B/s	740 B/s	383 B/s	1,94 MB/s	EDIT
US-8	Port 2	Switching	All	1,000 PGM (L2/L3)	Forwarding	780 B/s	11,7 MB/s	929 B/s	1,92 MB/s	EDIT
US-40W-Lite	Port 3	Switching	All	1,000 PGM	Forwarding	954 B/s	207 MB/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 3	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
44d97d70204303	Port 3	Switching	All	1,000 PGM (L2/L3)	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-8	Port 4	Switching	All	1,000 PGM (L2/L3)	Forwarding	264 MB/s	4,44 GB/s	125 MB/s	4,41 MB/s	EDIT
44d97d70204303	Port 4	Switching	All	1,000 PGM (L2/L3)	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-8	Port 5	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 5	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-8	Port 6	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-40W-Lite	Port 6	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 6	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
44d97d70204303	Port 6	Switching	All	1,000 PGM (L2/L3)	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-8	Port 7	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 7	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
44d97d70204303	Port 7	Switching	All	1,000 PGM (L2/L3)	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-8	Port 8	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
US-24-250W	Port 8	Switching	All	1,000 PGM	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT
44d97d70204303	Port 8	Switching	All	1,000 PGM (L2/L3)	Forwarding	0 B/s	0 B/s	0 B/s	0 B/s	EDIT

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

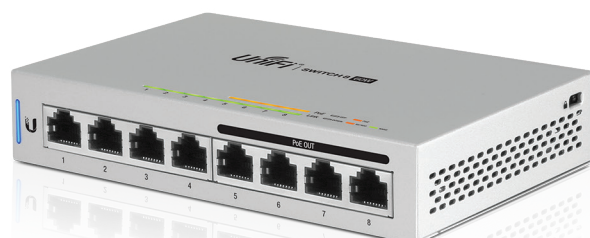
- (8) Gigabit RJ45 Ports
- (1) PoE Passthrough Port
- Non-Blocking Throughput: 8 Gbps
- Switching Capacity: 16 Gbps
- Forwarding Rate: 11.9 Mpps
- Maximum Power Consumption: 12W
- PoE or DC Input Option
- Available in Single-Pack and 5-Pack (Power Supply Not Included with 5-Pack)



UniFi® SWITCH 8 60W

Model: US-8-60W

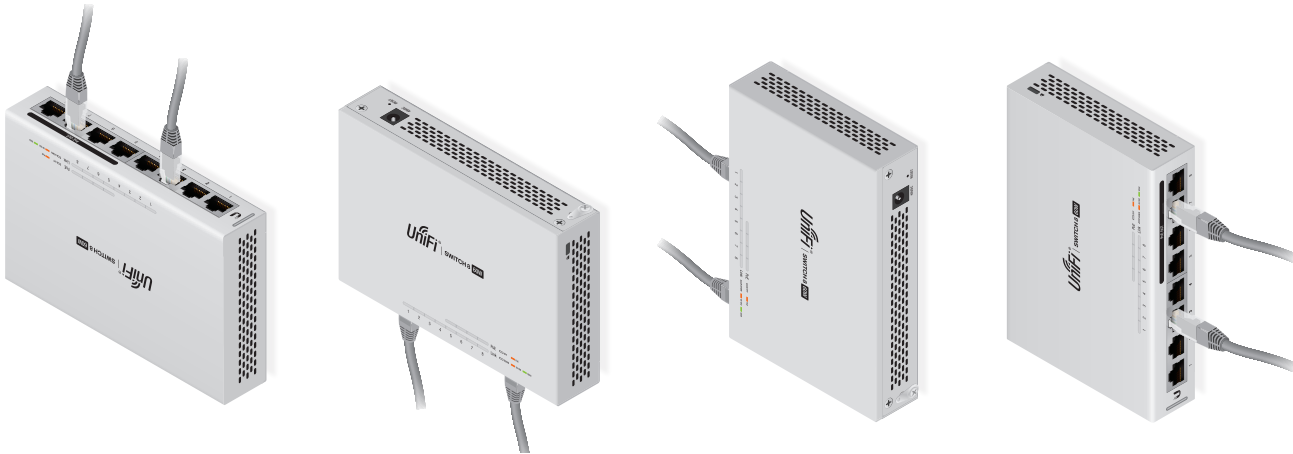
- (8) Gigabit RJ45 Ports
- (4) Auto-Sensing IEEE 802.3af PoE Ports
- Non-Blocking Throughput: 8 Gbps
- Switching Capacity: 16 Gbps
- Forwarding Rate: 11.9 Mpps
- Maximum Power Consumption: 12W
- Available in Single-Pack and 5-Pack



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.

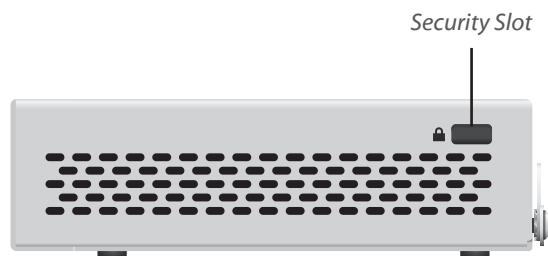


- **Desktop Placement** You can place the UniFi Switch on a level, horizontal surface such as a table or desktop. The built-in, non-skid rubber feet help hold the switch firmly in place.



Security Slot

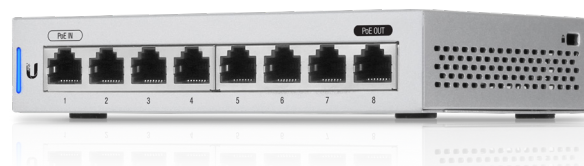
To help deter theft, you can attach a lock to the security slot on the side of the UniFi Switch.



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, 48V, 0.5A
LEDs	PoE (Port 8), Speed/Link/Activity (All Ports)
Sound Level*	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 (2-Pair Pins +4, 5; -7, 8)
PoE Out Interface (Port 8)	PoE Mode 1: 48V (Pins +1, 2; -3, 6) PoE Mode 2: Passive 48V (2-Pair 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

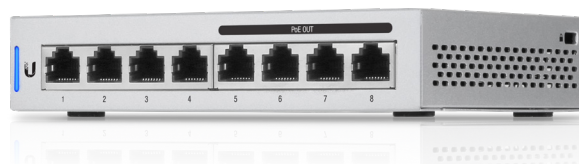
* Background noise level: 27.5 dBA



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, 48V, 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

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