# 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

UBIQUITI
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.
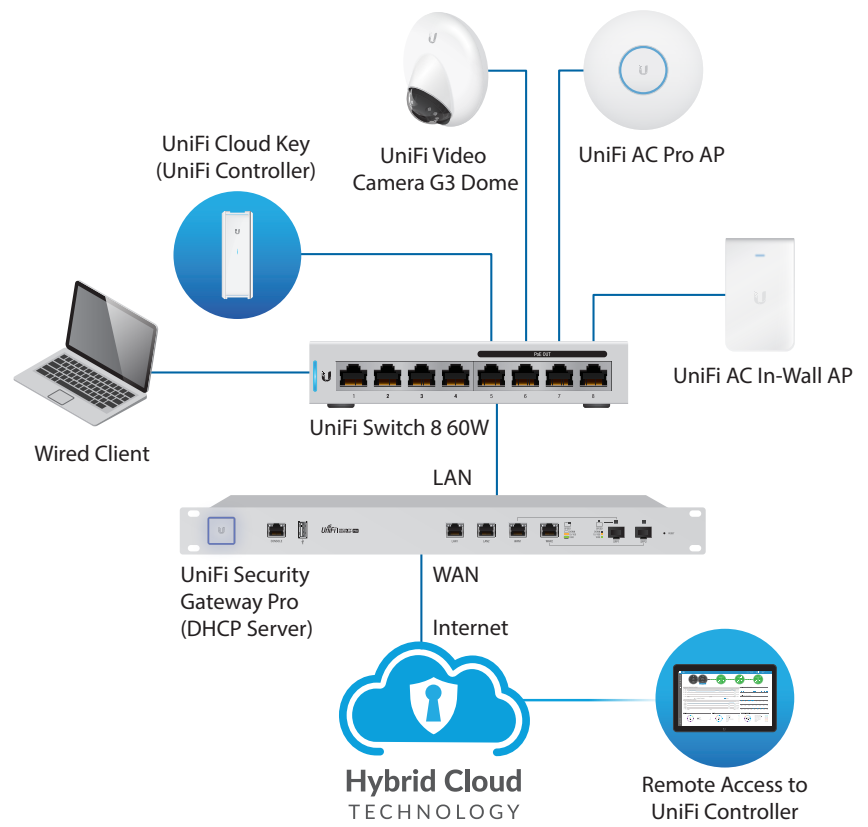
## PoE

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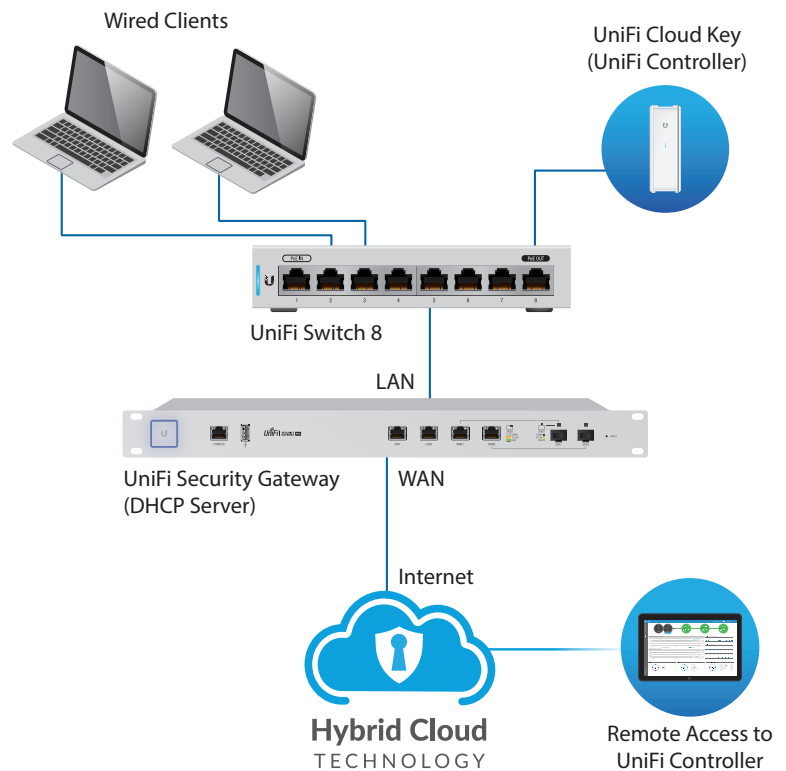
The following table displays the PoE passthrough options for the US-8:

| 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.

UniFi Cloud Key
(UniFi Controller)

UniFi Video
Camera G3 Dome

UniFi AC Pro AP

UniFi AC In-Wall AP

Wired Client

UniFi Switch 8 60W

LAN

UniFi Security
Gateway Pro
(DHCP Server)

WAN

Internet

**Hybrid Cloud**
T E C H N O L O G Y

Remote Access to
UniFi Controller

*US-8-60W Sample Network Diagram*

Wired Clients

UniFi Cloud Key
(UniFi Controller)

UniFi Switch 8

LAN

UniFi Security Gateway
(DHCP Server)

WAN

Internet

**Hybrid Cloud**
T E C H N O L O G Y

Remote Access to
UniFi Controller

*US-8 Sample Network Diagram*

www.4Gon.co.uk info@4gon.co.uk Tel: (0)0330 088 0295 Fax: +44 (0)1245 808299

# 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).



### 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)
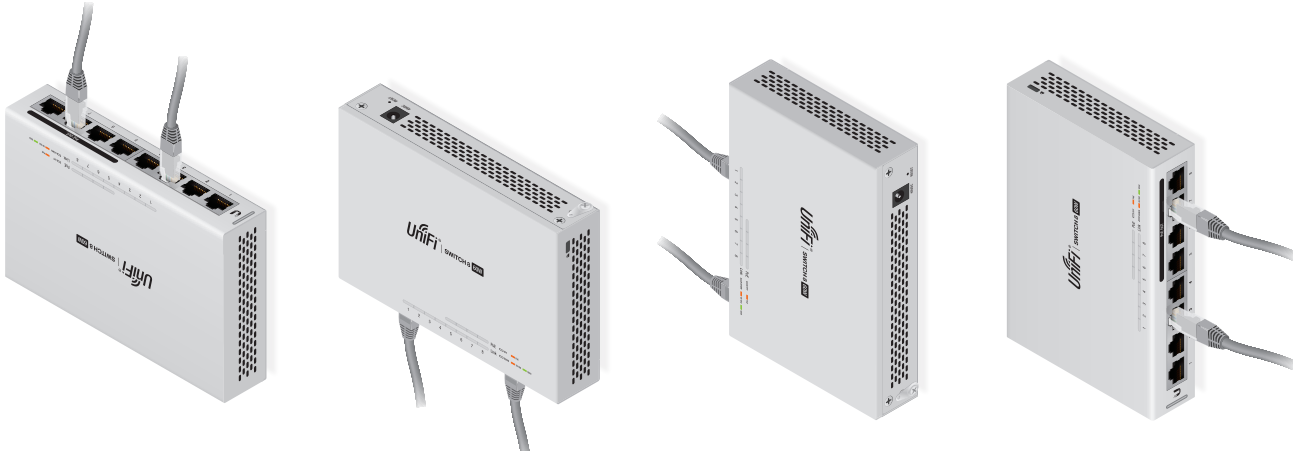
UniFi® | SWITCH 8 60W

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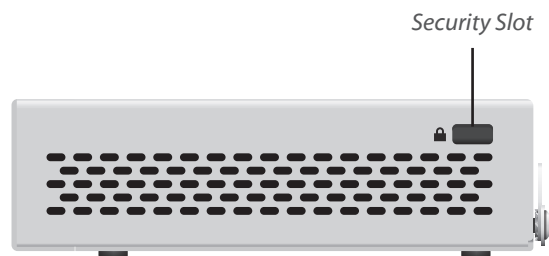
- **Desktop Placement**  You can place the UniFi Switch on a level, horizontal surface such as a table or desktop. The built-in, non-skid rubber feet help hold the switch firmly in place.

# Security Slot

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

*Security Slot*

# 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<br>PoE Mode 2: 12W @ 48V<br>DC Input Mode: 12W @ 48V |
| Passive PoE Voltage Range | Depends on Power Source |
| Power Method | (1) DC 48V, Max. 1.25A<br>(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) |
| 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)<br>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)<br>PoE Mode 2: Passive 48V (2-Pair Pins +4, 5; -7, 8)<br>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 |

www.4Gon.co.uk info@4gon.co.uk Tel: (0)0330 088 0295 Fax: +44 (0)1245 808299

# 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) |
| 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 |

# UniFi AP and Video Camera Compatibility

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

| Camera or AP 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-DOME | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 |
| UAP-LR | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 |
| UAP-PRO | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP-AC-LITE | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 |
| UAP-AC-LR | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 | 🔲 |
| UAP-AC-PRO | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP-AC-M | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP-AC-M-PRO | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP-AC-IW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UAP-AC-HD | 802.3at | 802.3at | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

✓     Compatible with the UniFi switch

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

802.3at     Requires 802.3at power; switch provides 802.3af only

# 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**

**www.ubnt.com**

www.4Gon.co.uk info@4gon.co.uk Tel: (0)0330 088 0295 Fax: +44 (0)1245 808299