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## Fully Managed Gigabit Switches Models: US-8, US-8-60W

Non-Blocking Throughput Switching Performance

URIF

Gigabit Ethernet RJ45 Ports

Robust Performance for Enterprise Networks





#### Overview

Build and expand your network with Ubiquiti Networks<sup>®</sup> UniFi<sup>®</sup> 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.



UniFi Security Gateway (DHCP Server) UniFi Cloud TECHNOLOGY

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

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# 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

UĥiFi						2 minutes V Default V UBNT
ALL	24) GATEWAY/SWITCHES (6) AF	(18) PHONES (0)				Search
+	DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	
1	dc:9fxbx00.00.01	192.168.1.1	PENCING APPROVAL	UniFI Switch 8 POE-60W	4.3.11.4852827	55m 45s (CONNECTED)
-	Attic- US-16-150W	192.168.1.233	CONNECTED	UniFi Switch 16 POE-150W	3.5.1.4088	10d 18h 4
-	DownStairs US-48-500W	192.168.1.191	(000000100)	UniFi Switch 48 POE-500W	3.5.1.4088	4d 21h 55
-	Workshop US-48-750W	192.168.1.246	CONNECTED	UniFi Switch 48 POE-750W	3.5.1.4088	3d 21h 12 = 10ee = DEABLED + Pel+ © 119 BLOCK
-	Rack US-48-750W	192.168.1.6	COMMICTED	UniFi Switch 48 POE-750W	3.5.1.4088	4d 21h 55 Details Parts Configuration
-	PatchPanel US-8-150W	192.168.1.204	(CONNECTED.)	UniFi Switch 8 POE-150W	3.5.1.4088	1d 8h 10e DMLRvIEW
	AC-Broadcom	192.168.1.231	(000000100)	UniFi AP-AC v2	3.5.1.4088	4d 21h 52 Model Uel7 Switch 8 Vention Sector-Secon53342.5395
0	AC-LITE	192.168.1.162	CONNECTED	UniFi AP-AC-Lite	3.6.1.3553	3d 21h 13 P Adress 192,5481,203 Unline 4h 20n 45s
0	AC-LR-Basement	192.168.1.137	COMMICTED	UniFi AP-AC-LR	3.6.1.3553	4d 21h 54 Memory Usign 38% Liand Average 126 / 135 / 141 (9
0	44:09:e7:02:04:33	192.168.1.197	(CONNECTED.)	UniFi AP-AC-Lite	3.6.1.3553	3d 21h 1r 🗄 UPLINK
0	44:09:07:02:04:44	192.168.1.198	COMMICTED	UNIFI AP-AC-LR	3.6.1.3553	3d 19h 26 E DOWNUNKS
0	AC-Pro-Basement	192.168.1.7	COMMICTED	UniFi AP-AC-Pro Gen2	3.6.1.3553	4d 21h 55
0	44:d9:e7:f9:d2:89	192.168.1.200	COMMICTER	UniFi AP-AC-Pro Gen2	3.6.1.3553	9d 17h 55
0	Prototype1 UAP-AC-Pro	192.168.1.182	(COMMICTED (200 FOR))	UniFi AP-AC-Pro Gen2	3.6.1.3553	1d8h 9m
0	AC-Pro-Crawlspace	192.168.1.134	C00000782	UniFi AP-AC-Pro Gen2	3.6.1.3553	3d 21h 15
	Timeout	192.168.1.235	COMMICTED	UniFi AP-In Wall	3.5.1.4088	1d 8h 9m
	Living	192.168.1.136	CONNECTED	UniFi AP-In Wali	3.5.1.4088	1d 8h Bm
	Sitting	192.168.1.124	(сонногия)	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m
	Master	192.168.1.158	CONNECTED	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m 📃 2 Port 2 🥒
1	Loft	192.168.1.139	COMMICTED	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m 4 Part4
	Basement	192.168.1.140	(()))))))))))))))))))))))))))))))))))))	UniFi AP-In Wall	3.5.1.4088	1d8h8m 🗆 s Ports PoC- 🧷
	24a43c9421d9	192.168.1.122	(	UniFi AP-Outdoor+	3.5.1.4088	3d 17h 22 6 Pet 6 Pet 7 300 F0X 346Hz Pet 7
0	Pro-roamtest2	192.168.1.164	CONNECTED	UniFi AP-Pro	3.5.1.4088	1d8h20r a Parts Pol- /
	Pro-roamtest	192.168.1.141	CONNECTER	UniFLAP-Pro	3.5.1.4088	3d 216 16 / 100 marries

#### **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 STAT	s v overv	EW POE I	COUNTERS	Select or sea	rch for a device	S. UNK STATUS	ALL 🗸							LEAR COUNTERS 👳	Search
PORT 1	SWITCH	NAME	POE	MODE	NETWORK/VLANS	LINK STATUS	STP	тх	RX	TX RATE	EX BATE	ACTIVITY	ACTIONS		
1	US8-60W-Lab	Port 1		Switzhing	Al	1,000 FDK	Forwarding	4.39 GB	247 MB	4.38 MB/s	124 KB/s		Ø EDIT	CLEAR COUNTERS	
1	44.d?x7.fl.ct8e	Port 1	PoE*	Switching	All	1,000 FOX (Uplink)	Forwarding	8.43 KB	8.12 KB	4.36 KB/S	1.62 KB/S	-	/ corr	CLEAR COUNTERS	
1	US-8	Port 5		Switzhing	All	1,000 FOK	Forwarding	784 KB	1.14 MB	295 8/s	208.8/5		Ø EDIT	CLEAR COUNTERS	
1	US-24-250W	Port 1	PoE*	Switching	All			0.8	08	0.8/5	0 B/S		a corr	CLEAR COUNTERS	
1 2 E	US-24-250W	Port 2	4.21W	Switzhing	All	1,000 FDK	Forwarding	176-68	155 MB	4.07 MB/s	97.8 KB/s		Ø EDIT	CLEAR COUNTERS	O POWER CO
2	US8-50W-Lab	Port 2		Switzhing	All	1.000 FDK	Forwarding	11.6 MB	748 KB	38.5 KB/S	1.96 KB/S	-	/ corr	CLEAR COUNTERS	
III 2	44:d9xe7.ttctille	Port 2	PoE+	Switzhing	All			0.8	0.0	0.8/s	0 B/s		🖉 ергг	CLEAR COUNTERS	
2	US-8	Port 2		Switzhing	All	1,000 FDK (Uplink)	Forwarding	786 KB	11.7 MB	929 8/5	1.92 88/5	-	ana 🌒	O CLEAR COUNTERS	
1	USB-SOW-Lab	Port 3		Switzhing	All			956 KB	297 KB	0.8/s	0 B/s		Ø сол	CLEAR COUNTERS	
B 3	US-24-250W	Port 3	PoE*	Switzhing	All			0.8	08	0.86	0.8/5		Ø sorr	O CLEAR COUNTERS	
<b>I</b> 2	44.d9xe7.ttctile	Port 3	PoE+	Switzhing	All			0.8	0.8	0.8/s	0 B/s		🖉 сол	CLEAR COUNTERS	
3	US-8	Port 3		Switzhing	All			0.8	08	0.86	0.8/5		Ø som	O CLEAR COUNTERS	
4	US8-60W-Lab	Port 4		Switzhing	All	1,000 FDK (Uplink)	Forwarding	264 MB	4.64 GB	125 KB/S	4.41 MB/s	-	a sorr	CLEAR COUNTERS	
4	44xd9xe7.tfxct.8e	Port 4	PoE*	Switzhing	All			0.8	0.8	0.86	0.8/5		Ø EDIT	O CLEAR COUNTERS	
■ +	US-8	Port 4		Switzhing	All			0.8	08	0.8/5	0.8/5		🖉 сол	CLEAR COUNTERS	
4	US-24-250W	Port 4	PoEx	Switzhing	All			0.8	0.8	0.8%	0.8/5		Ø EDIT	O CLEAR COUNTERS	
<b>III</b> 5	US-8	Port 5		Switzhing	Al			0.8	08	0.8/5	0.8/5		Ø corr	O CLEAR COUNTERS	
III - 1	US8-60W-Lab	Port 5	PoE	Switching	Al			2.22 MB	1.01 MB	0.5/5	0 B/s		Ø 6017	CLEAR COUNTERS	
<b>III</b> 5	US-24-250W	Port 5	PoE*	Switzhing	Al			0.8	08	0.8/5	0.8/5		Ø corr	O CLEAR COUNTERS	
III	44:d9x7:ftct@e	Port 5	PoEx	Switching	Al			0.8	0.8	0.0/1	0.8/%		Ø EDIT	CLEAR COUNTERS	
<b>52</b> 6	US8-60W-Lab	Port 6	5.00W	Switzhing	Al	1,000 FDK	Forwarding	160 MB	92.1 MB	234.8/5	64 B/S		Ø 1007	O CLEAR COUNTERS	O POWER CY
<b>a</b> 6	44:d9x7:ff:ct@e	Port 6	PoEx	Switzhing	Al			0.8	0.0	0.8/1	0.8/4		Ø EDIT	CLEAR COUNTERS	
■ 6	US-24-250W	Port 6	PoE*	Switzhing	Al			0.8	08	0.8/5	0.8/5		Ø som	CLEAR COUNTERS	
<b>6</b>	US-8	Port 6		Switzhing	Al			0.8	0.0	0.8/1	0.8/4		Ø EDIT	CLEAR COUNTERS	
III 7	44x89xe7.#xt8e	Port 7	PoE*	Switzhing	Al			0.8	08	0.8/5	0.8/5		Ø 1007	O CLEAR COUNTERS	
7	USB-60W-Lab	Port 7	PoE	Switzhing	Al			1.23 MB	405 KB	0.8/4	0.8/4		Ø EDIT	CLEAR COUNTERS	
III 7	US-8	Port 7		Switzhing	Al			0.8	08	0.86	0.8/5		Ø 1007	O CLEAR COUNTERS	
7	US-24-250W	Port 7	PoE+	Switzhing	Al			0.8	0.0	0.8/s	0 B/s		Ø 1007	O CLEAR COUNTERS	
8	US-8	Port 8		Switzhing	Al	1.000 FOK	Forwarding	12.6 MB	1.03 MB	1.86 KB/5	685 B/s	-	Ø 1007	CLEAR COUNTERS	O POWER CY
<b>H</b> •	US-24-250W	Port 8	PoE+	Switching	All			0.8	0.0	0.8/5	0 B/s		Ø 1007	O CLEAR COUNTERS	
<b>52</b> ×	US8-60W-Lab	Port 8	2.73W	Switching	Al	1,000 FDK	forwarding	343 MB	123 MB	2.88/5	3.77 KB/5		0 corr	CLEAR COUNTERS	O POWER CY
<b>H</b> 1	44.d?e7.ttctile	Port #	PoE+	Switching	AI.			0.8	0.8	0.8/4	OBN		Ø 1007	O 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



#### 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)



#### 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













SWITCH 8

# 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 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 <sup>1</sup> : 100-240VAC, 50/60 Hz; 48VDC, 0.5A
LEDs	PoE (Port 8), Speed/Link/Activity (All Ports)
Sound Level <sup>2</sup>	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 9

<sup>1</sup> Included only in single-packs of the US-8. <sup>2</sup> 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	0	Ó	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UVC-G3-AF	$\checkmark$							
UVC-G3-DOME	$\checkmark$							
UAP	P	Ő	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UAP-LR	0	0	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UAP-PRO	$\checkmark$							
UAP-AC-LITE <sup>1</sup>	$\checkmark$							
UAP-AC-LR <sup>1</sup>	$\checkmark$							
UAP-AC-PRO	$\checkmark$							
UAP-AC-M	$\checkmark$							
UAP-AC-M-PRO	$\checkmark$							
UAP-AC-IW <sup>2</sup>	$\checkmark$							
UAP-AC-IW-PRO <sup>2</sup>	$\checkmark$							
UAP-AC-HD	-	_	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

✓ Compatible with the UniFi switch

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

#### Notes:

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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: <u>dl.ubnt.com/datasheets/unifi/UniFi_AC_APs_DS.pdf</u>				
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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