

U



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

Non-Blocking Throughput Switching Performance

inu

Gigabit Ethernet RJ45 Ports

Robust Performance for Enterprise Networks



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



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.

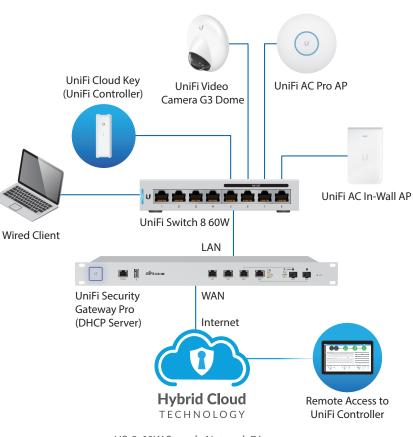
PoE

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.

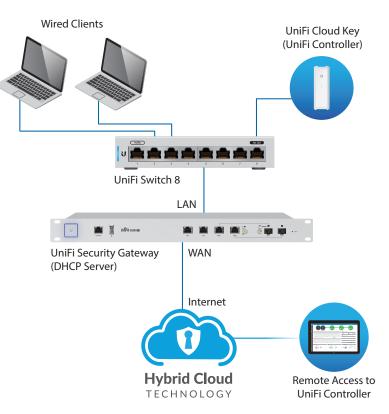
The following table displays the PoE passthrough options for the US-8:

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

ALL	14) GATEWRY/SHITCHES IN AM	5 (18) PHONES 20				
	DEVICE NAME	IF ADDRESS.	anarus.	HODEL	VERSION	SPTINE PROFESSION
69	00.00.00.00.00.00.00	197.093.1	tion and the second sec	UNPL Switch & POE-60W	4.5.11.4852827	559-454 O E # US# 00 F 27.5
15	Arte: US-16-150W	192.166.1.233	Second P	Linih Switch 38 POC-150W	331.4088	200 386 2 mm mm mm mm mm mm mm
-	Devertiliairs US-48-SOOW	192.108.1.191	-	UniPI Switch 48 POE-SOOW	351408	46 224 55
14	Workshool US-48-750W	192.168.1.246		UNPI Switch-48 POE-750W	3.5.1.4088	20 225 22 The Backsetter + bring & second
44	Rack US-48-750W	192.168.2.6	-	UniP Swisth 48 POE-750W	3.5.1.4088	4423x 55 Mars Distignation
44	Fact/Faret US-8-150W	192.166.1.204	1000	Unit's Switch & POE-150W	333.4088	billin ster
	AC-Breakton	192.568.1.235	-	UNIT AP-AC VZ	3.5.2.4088	4d 22h 52 0000 0000 0000 00000000000000000
0	ACUTE	192.1681.162	Sec.	UNITAPACIDE	3.6.1.3553	34 231 13 ******* PELMELER
0	AC-LR-Basement	192.168.1.137	-	UNP APACLE	341.3553	44 225 54
	44,89,67.02.04.03	192.166.1.197	-	Unit AP-AC-Like	361.3553	NO231-10 III LINUAR
	44,07-07.02.04.44	192,168.1.199	-	UNIT AP-AC-UR	3.6 2.5553	Set 199 24 III powelulants
0	AC Pro-Basement	192,168.1.7	1000	UNIT AP AC He Gerd	845,3593	4/201-52 0
0	44.09.0719.02.89	192.168.1.200		UniFi AP-AC-Pro Gent	341.3553	No 12h SS
(Printitipes UAP-AC-Pris	192.168.1.182		Unit AP-AC-ING Gen2	3.6 1.3553	Martes
0	AC-Pro-Cowlaster	192,568.1.134	0000	UNPLAN-AC-Pro Gend	841,3555	34234.15
1	Timeout	1921681235	-	LOUT AP IN MILE	3.5.1.4088	14 51 Pm Little B DECOMMENTS - MAH 2 SPADOWE
1	Ling	192 168 1 136		Liniti AP-in Wali	3334068	Sol die das
Ξ.	Sers.	192.168.1.124	Design (Levilli Alfrid Vesti	3514068	Lal Bit Bra
E.	Master	172.168 1.158		UniFI AP-In: Wall	23.1.4088	54 84 Bit 1 1 1 1 1 1 1
	141	192,168.1.1.39		Louit Alfree Walk	3.5.1.4088	Statuter 1 Aug
	Gaumere	192.168.1.340	-	Linit's Advin Walk	3.5.3.4068	Selandar I Aust Ad
	24443194254	192.168.1.122	1000	UNITI AP-Outstein-	5514088	Sel 175 22 5 Note Md
0	Pro-roamon/2	192.168.1.164	-	UNIT AP-Pro	3.5.1.4088	T No.T LABORD LINE NO.
0	Animation	192 144 1 141	-	Louth All-Inv	3.53.4088	34229-14

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).

SHITCH STAT	Overav	5W 101	00485885	Minine an		THE STATUS	ALC: Y							ULEAR COUNTERS	seed.
(root)	EMITCH	-	PEE	MODE	NETWORK/VLANE	LINK STREET	-	-	**	TX BATS	-	ACTIVITY	ACTIONS		
• • • •	and other last	Peth		Swiphog.	-68	1008 PDK	Arresting	+2+68	317148	438.4481	124.49/5	-	100	O CLEM (Trimites	
 N 	******	Petit	MAX.	binking.		Lost romaine	Arresting	84148	41248	4.04.884	LADRES		100	· CARA COMPTEND	
1	19.4	Peri 1		handrey.	40	Loss PDx	Assessing	784.835	1.16 MB	291.619	20101		1.00	O CHARLENCEM	
III.	38-34-250W	Poit	No-	Dentries.	AL.					084	2.8%		1200	S GAM SCHOOL	
1 +	18-24-2524	Petil	42091	hinting	AL.	LINEFOX	Trenting.	17458	113 148	437.986	77348.5	=	200	B CONTRACTOR	Q 10401111
2	USP 6000 Lot	Art2		Desire.	AL .	LOW YOR	Interesting	11.4 490	798.68	383.484	100.000	=	100	@ 0.80 0000000	
H 2	******	mit 2	1941	(many	*				0.8	084	985		1-	CLER CONTRA	
a <i>x</i>	104	543		Desire.		100 (00 100	(mailing	19140	11.7 ME	121.0.1	171400	=	1000		
B /	Life offer Law	Act 3		Sectors.	AL.			104.48	prist.	0.84	0.64		100	© 51200 (2000)000	
H /	LB 0+ 250W	Prix	ner.	Salabag					- 2.8	484	100		200	• CAM COMPANY	
H >		Peri I	Ped-	building.	40.			24	.0.8	084	285		100	O (1444 (Sector)	
H 21	184	Petd		Setting	- 44			110	.04	084	285		200	S CLEM VIEWORTH	
a 4	108-009-140	Put A		Sectors.	AL.	LIST FOR Larent	favoring.	ph MP	444.58	121 59-1	AALMEN	=	200	C. CLAN DIS-1103	
H	Al-dhall/fuller	Port 4	744	berry.						684	185		1-		
H +	1.0.0	Port P		betting	40			58.		085	161		200		
H -	10.242309	Pare .	nd-	Same.	- # /			2.8	40	0.8%	1.61		100	O CLEAN (INSPIRED	
H +	10.4	Parts		Sector	Alt			44	-0.0	104	281		100	O CLARP COMPTON	
# 1 ·	ink one Lat	Puth	M	harry	AL.			121-16	10110	0.64			100	O CLARK COMMITTEE	
B /	LB 2+250V	Wei 3	ne-	Salabag	40			24	44	984	2.85		100	O CLASS COLUMN	
B 1.	-	Peth	Né-	binhes	- 40			10.	.08	0.84	285		100	6 CLEAN PERMIT	
C2 +	Liter admiller	Pete	LINNY	Sectors	-A01	1.00104	Investig	luone'	12110	30H B/h	485	=	100	CLEM DESPETAN	O POHI DO
H to	AUGUSTATION	Puta	74-	beating	-AL				18	184	185		100	CLEAR SUBSTITUT	
8.4	15-34-2554	Ave. a	ne-	lating.						084	285		1-	@ (1.1.0. (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
	104	Net		berry.	- 44			48-		084	245		100		
10	and a literature	Part 1	nd-	ining.				44	.44	101	0.61		1000	•	
H 21	USA KONT LAN	Part		Section 1	-44			1.25 45	-101.02	684	0.81		100	• DATE (TENTING	
B 1	18.4	Peri T		Surphing .	N-			**		1.8.5	0.65		100	O falls framerers	
H 2	L5-24-250W	Petr	Nd-	Sampling				24	48	084	285		200	0 millio manarità	
0.	124	Pete		bettern.	.At.	100104	Provinces.	124.48	10110	LANKEN	AUDA		200	COM CONTRACTOR	d love by
	18-2+250w	Pete	· No-	Sec. No.	W.			10		784	285		2-	· CAN STREET	
C3 +	158-609 Lot	Port B	1199	being .	*	LINE FOR	Presenting.	547.948	102198	2484	8.77 88.5	=	2-		Desettin
B 41	and a literate	Pet 2	100	berry .					44	085	285		2-		

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











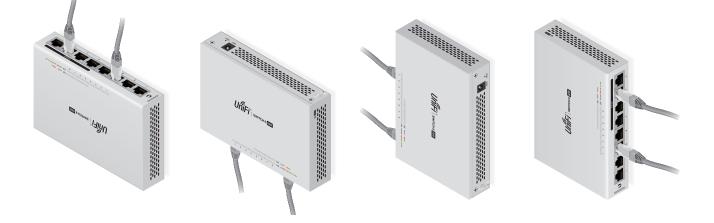


SWITCH 8

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, 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) 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



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	0	-	0	-	0	-	~	Ì
UVC-G3-DOME	\checkmark							
UAP	0	~	0	~	-	-	~	\sim
UAP-LR	Ó	\sim	0	\sim	0	\sim	Ø	Ø
UAP-PRO	\checkmark							
UAP-AC-LITE	Ó	Ó	Ó	Ó	P	(°)	Ó	Ø
UAP-AC-LR	0	0	0	0	~	~	\sim	\sim
UAP-AC-PRO	\checkmark							
UAP-AC-M	\checkmark							
UAP-AC-M-PRO	\checkmark							
UAP-AC-IW	\checkmark							
UAP-AC-HD	802.3at	802.3at	\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 🦯

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