Package Contents







UniFi Switch

Power Cord

Mounting Screws (Qty. 4)



Cage Nuts (Qty. 4)

Installation Requirements

- Phillips screwdriver
- Standard-sized, 19" wide rack with a minimum of 1U height available
- For indoor applications, use Category 5 (or above) UTP cabling approved for indoor use.
- For outdoor applications, shielded Category 5 (or above) cabling should be used for all wired Ethernet connections and should be grounded through the AC ground of the power supply.

We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti. For more details, visit: **ui.com/toughcable**



Note: Although the cabling can be located outdoors, the UniFi Switch itself should be housed inside a protective enclosure.

D

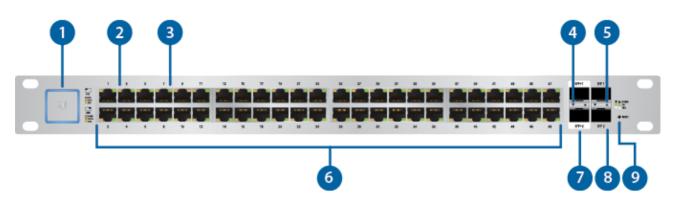
IMPORTANT: We strongly recommend using UPS backup and power regulation to prevent equipment damage due to stability issues with local AC power.

System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.6 (1.8 or newer recommended)

• UniFi Controller v5.4.x or higher

Hardware Overview



1 System LED Click here for detailed descriptions. 2 RJ45 PoE LED (Ports 1 - 48) Off No PoE Amber IEEE 802.3af/802.3at 24V Passive PoE Green 3 RJ45 Speed/Link/Act LED (Ports 1 - 48) Off No Link Link Established at 10/100 Mbps Amber **Flashing Indicates Activity** Link Established at 1000 Mbps Green Flashing Indicates Activity 4 SFP+ Speed/Link/Act LED (Ports 1 - 2) Off No Link

Link Established at 1 Gbps

Flashing Indicates Activity

Link Established at 10 Gbps

Flashing Indicates Activity

5 SFP Speed/Link/Act LED (Ports 1 - 2)

Green

White

Off

No Link

Green

Flashing Indicates Activity

6 RJ45 (Ports 1 - 48)

RJ45 ports support Power over Ethernet (PoE) and 10/100/1000 Ethernet connections.

7 SFP+ (Ports 1 - 2)

Hot-swappable SFP+ ports support 1/10 Gbps connections.

8 SFP (Ports 1 - 2)

Hot-swappable SFP ports support 1 Gbps connections.

9 Reset Button

This button serves two functions for the UniFi Switch:

- Restart Press and release the Reset button quickly.
- **Restore to Factory Default Settings** Press and hold the Reset button for more than five seconds.



10 Console Port

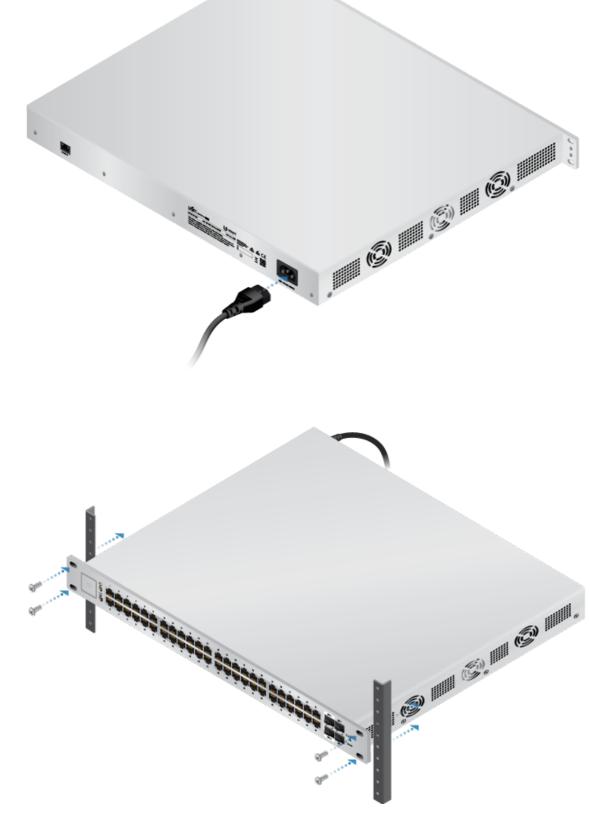
RJ45 serial console port for Command Line Interface (CLI) management. Use an RJ45-to-DB9, serial console cable, also known as a rollover cable, to connect the Console port to your computer. Then configure the following settings as needed:

- Baud rate 115200
- Data bits 8
- Parity NONE
- Stop bits 1
- Flow control NONE



Connect the included Power Cord to the Power port.

Hardware Installation



2.

OR



3.



Using SFP+ and SFP Ports

Ports	SFP+ Module Type	SFP Module Type
SFP+ 1-2	10 Gbps	1 Gbps
SFP 1-2	(Not supported)	1 Gbps

1.





For information about compatible fiber SFP modules, visit: community.ubnt.com/unifi

Software Installation

Download and install the latest version of the UniFi Controller software at **ui.com/download/unifi** and follow the on-screen instructions.



Note: If you already have UniFi Controller v5.4.x or higher installed, go to the section, Adopting the UniFi Switch.

After you have installed the software and run the UniFi Installation Wizard, a login screen will appear for the UniFi Controller management interface. Enter the username and password that you created and click Sign In.

UńiFi®
Username
Password
Remember me 🕐
SIGN IN
FORGOT PASSWORD?
GET IT CON GOOGLE Play

You can manage your network and view network statistics using the UniFi Controller management interface.

To adopt the UniFi Switch, proceed to the section, Adopting the UniFi Switch.

For information on configuring and using the UniFi Controller software, refer to the User Guide on the website: **ui.com/download/unifi**

Adopting the UniFi Switch

1. From the UniFi Controller dashboard, click Devices in the left menu bar.



2. Locate the UniFi Switch in the list of devices under the Model column. Click Adopt.

1		DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	UPTIME	ACTIONS	ç
43	7	dc191db-00-00-01	192.168.1.1	(PERSONAL APPROXY)	UniFi Switch 8	4.3.11.4852827	55m 45s	(1) ADOPT	
6	2	Artic- US-16-150W	192.168.1.233	(COMMIC 789)	UniFi Switch 16 POE-150W	3.5.1.4088	10d 18h 45m 7s	🖗 LOCATE 🔿 RESTART	σ
42	2	DownStairs US-48-500W	192.568.5.191	(()mm01/100	UniFi Switch 48 POE-S00W	3.5.1.4068	4d 21h 55m 15s	🛛 LOCATE - 🔿 RESTART	σ
44	2	Workshop US-48-750W	192.568.1.246	COMMOC/ND	UniFi Switch 48 POE-750W	3.5.1.4088	3d 21h 12m 13s	O LOCATE O RESTART	σ
44	2	Rack US-48-750W	192.168.1.6	COMMIC/10	UniFi Switch 48 PDE-750W	3.5.1.4088	4d 21h 55m 29s	🖗 LOCATE 🛛 😷 RESTART	a.
40	2	PatchPanel US-8-150W	192.568.1.204	(()mm0(*00)	UniFi Switch 8 POE-150W	3.5.1.4088	1d 8h 10m 17s	🛛 LOCATE 🔿 RESTART	σ
0	0	AC-Broadcom	192.568.1.231	(0mm00700)	UniFLAP-AC v2	3.5.1.4088	4d 21h 53m 4s	🛛 LOCATE 🛛 C' RESTART	σ
0		AC-UTE	192.168.1.162	(COMMOC/ND)	UniFi AINAC-Ute	3.6.1.3553	3d 21h 17m 32s	🛛 LOCATE 🔿 RESTART	σ
0		AC-LR-Basement	192.568.1.137	(COMMOC/00)	UNFLAP-AC-LR	3.6.1.3553	4d 21h 54m 6s	🖗 LOCATE 🛛 🔿 RESTART	σ
0		44;d9x7.02:04:33	192.568.5.197	(0mm01700)	UniFi AP-AC-Ute	3.6.1.3553	3d 21h 1m 32s	🛛 LOCATE 🔿 RESTART	σ
0	0	44/d9/e7/02:04:44	192.168.1.198	CONNECTED.	UNIFI AP-AC-UR	3.6.1.3553	3d 19h 26m 8s	🖉 LOCATE 🔿 RESTART	σ
0		AC-Pro-Basement	192.168.1.7	(0mm00700)	UniFi AIP-AC-Pro Gen2	3.6.1.3553	4d 21h 53m 31s	🛛 LOCATE 😷 RESTART	σ
0		44,07+719.0289	192.568.5.200	(COMMON/100)	UniFi AP-AC-Pro Gen2	3.6.1.3553	9d 17h 59m 4ds	🛛 LOCATE 🛛 C' RESTART	σ
0	0	Prototype1 UAP-AC-Pro	192.568.5.582	(()===(*()))	UniFi AP-AC-Pro Gen2	3.6.1.3553	1d 8h 9m 12s	🛛 LOCATE 🔿 RESTART	σ
0		AC-Pro-Crawlspace	192.168.1.134	(0mm00700)	UniFi AIP-AC-Pro Gen2	3.6.1.3553	3d 21h 19m 14s	🛛 LOCATE 🔿 RESTART	α
1		Timeout	192.168.1.235	(0mm01700)	UniFi AP-In Wall	3.5.1.4088	1d 8h 9m 14s	🛛 LOCATE 😋 RESTART	σ
		Living	192.568.1.136	(()===(*))	UniFi AP-In Wall	3.5.1.4068	5d 8h 8m 3ds	🖉 LOCATE 📿 RESTART	σ
		Sitting	192.168.1.124	(0mm01/100)	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m 1ds	🖉 LOCATE 🔿 RESTART	σ
3	1	Master	192.168.1.158	(COMMOC/10)	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m 18s	🛛 LOCATE 📿 RESTART	σ
	1	Loft	192.568.5.139	(0000001100)	UniFi AP-In Wall	3.5.1.4068	1d 8h 8m 32s	🛛 LOCATE 🔿 RESTART	σ
	1	Basement	192.568.1.140	(0mm01700)	UniFi AP-In Wall	3.5.1.4088	1d 8h 8m 25s	🖉 LOCATE 🔿 RESTART	σ
		24a43c9421d9	192.168.1.122	(0mm00700)	UniFi AIP-Outdoor+	3.5.1.4088	3d 17h 22m 54s	🛛 LOCATE 😋 RESTART	σ
0		Pro-roamtest2	192.568.5.564	(COMMOC*00)	UniFi AP-Pro	3.5.1.4088	1d 8h 20m 25s	🛛 LOCATE 📿 RESTART	σ
6	6	Pro-roamtest	192.168.1.141	(COMMO(*10)	UniFi AP-Pro	3.5.1.4068	3d 21h 16m 49s	O LOCATE O RESTART	

3. The System LED on the UniFi Switch will turn blue to confirm that it has been successfully adopted.

Configuring PoE Settings

1. On the Devices screen, locate the UniFi Switch. Click the switch to access its settings.

UNIF						2 minutes ~	Default v	UBNT	
ALL	CHO GATEWARYSWITCHES IN AP	9 (24) PHONES (0)					Search		
	DEVICE NAME	P ADDRESS	status	MODEL	VERSION	SPTIME	ACTIONS		9
45	de 91de 00:00:01	192.568.3.3	(PERSONAL APPROVAL)	UnPI Switch 8 POE-150W	4.3.31.4852827	55m 45a	ADD#T		
65	Attic-US-16-150W	192.568.1.233	(10441748)	UNITI Switch 16 POE-150W	3.5.1.4088	50d 58h 45m 7s	O LOCATE	O RESTAR	r.
-	DownStails US-68-900W	192.568.1.191	(10000000)	UnFi Switch 48 POE-SOOW	3.5.1.4088	4d/21h 55m 15s	V LOCATE	C* RESTAR	r
44	Workshop US-48-750W	192.168.1.246	(Deeper State	UniFi Switch 48 POE-750W	3.5.1.4088	3d/21h 12m 13s	O LOCATE	O RESTAR	r
42	Ruck US-40-750W	192.568.1.6	(construe)	UniFi Switch-48 POE-750W	3.5.1.4088	4d/21h 55m 29s	Q LOCATE	O' RESTAR	
43	PetchPand US-0-150W	192.568.5.204	(10441748)	UniFi Switch 8 POE-150W	3.5.1.4088	5d/8h 10m 17s	O LOCATE	O' RESTAR	r.
0	AC-Broadcom	192.568.5.235	(10000100)	UNFLAP-ACV2	3.5.1.4088	4d/25h 53m 4s	Q LOCATE	O' RESTAR	r
0	ACUTE	192.168.1.162	(DHERTER)	UNFLAP-AC-Lite	3.6.1.3553	3d/21h 17m 32s	O LOCATE	O RESTAR	
۲	AC-LR-Basement	192.568.1.137	(conserva)	UNPLAP-AC-LR	3.6.1.3553	4d/21h 54m 6s	Q LOCATE	O' RESTAR	
0	44d9x7020400	192.568.5.197	(10441748)	UNITI AIMAC-URE	3.6.1.3553	3d/25h 5m 32s	O LOCATE	O RESTAR	r
0	44/d9/e7/02/04/44	192.568.5.198	(connector)	UNFLAPACIE	3.6.1.3553	3d 19h 26m 8s	Q LOCATE	O' RESTAR	r
0	AC-Pro-Basement	192.168.1.7	(DHERTER)	UnFLAP-AC-Pro Ger2	3.6.1.3553	4d/25h 53m 32s	O LOCATE	O RESTAR	r
0	44,49,67,99,42,89	192.568.1.200	COMMETTER	UniFLAP-AC-Pro Ger2	3.6.1.3553	9d 17h 59m 46s	Q LOCATE	O RESTAR	
0	Protohoes UAP-AC-Pro-	192.568.5.182	(1000001102-000-0000)	UNITIAIPAC-Into Ger2	3.6.1.3553	5dilh 9w 12s	O LOCATE	O states	
0	AC-Pro-Crawlapace	192.568.5.134	(connectual)	UnFLAP-AC-Pro Ger2	3.6.1.3553	3d/25h 29m 34s	Q LOCATE	O' RESTAR	r
	Tirreput	192.568.5.295	(19441733)	UniFLAP-In Woll	3.5.1.4088	3d@h 9w 14s	C LOCATE	O RESTAR	r
	Living	192.168.1.136	(CHARGENER)	UniTLAP-In Woll	3.5.1.4088	5d Bh Bre Dés	Q LOCATE	O RESTAR	
	Stole	192.568.5.124	(10001108)	UniTLAP-In Wol	3.5.1.4088	3diên êw 165	O LOCATE	O RESTAR	,
	Master	192.569.1.159	(10001118)	UniFLAP-In Wolf	3.5.3.4086	5diên êw 1ês	O LOCATE	O RESTAR	
18	Lore	192368.1.1.99	(BARRENT)	UNAL APPENDIX	35.1498	304149333	O LOCATE	O REAL	

2. Click the Ports tab.

DISABLED DISCONNECTED	 1 GBPS 100/10 MBPS 	□ 10 GBPS ∳ POE	STP BLOCKING MIRROR
tails Ports Co	onfiguration		
OVERVIEW			
AAC Address	00:27:22:0	0:00:01	
Aodel	UniFi Switc	h 48 POE-750W	
/ersion	3.0.5		
P Address	10.0.0.2		
an Level	Off		
Jptime	1d 16h 28n	n 9s	

3. Click Actions for the port you want to configure.

			\mathbf{H}						H
DISABLED	ED		1 GBPS 100/10 ME	BPS	□ 10 ∳ P0) GBPS DE	⊘ STP ♦ MIR	BLOCKING	
ails Port		onfigurat	tion						
		omgura							
PORT NA	-	STATUS	тх	RX	POE	NETWOR	(S/VLANS	ACTIONS	
PORT N	AME ort 1	-	тх	RX 30.1 MB			(S/VLANS	ACTIONS	
PORT N	AME ort 1	status 1,000 FDX	тх			All	(S/VLANS		_
PORT NA	AME ort 1 ort 2	status 1,000 FDX (Uplink) 1,000	тх 364 MB	30.1 MB	PoE+	Ali Ali	(S/VLANS	00	_

4. Select the appropriate PoE setting: Off, 24V Passive, or PoE+. Then click Apply.

ISCONNECTED	1 GBPS 100/10 MBPS	10 GBPS POE	 STP BLOCKING MIRROR 	
ails <mark>Ports</mark> Cor	figuration			
ORT 5				
ame				
Port 5				
Off 24V Passiv	ve 💽 PoE+			
etworks/VLANs				
All				\sim

For more information, refer to the User Guide on the website: <u>ui.com/download/unifi</u>

Specifications

US-48-500W/US-48-750W				
Dimensions	485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75"			
Weight				
US-48-500W	6.1 kg (13.5 lb			
US-48-750W	6.5 kg (14.3 lb			
Total Non-Blocking Line Rate	70 Gbp			
Max. Power Consumption				
US-48-500W	500V			
US-48-750W	750W			
Power Method	100-240VAC/50-60 Hz, Universal Inpu			
Power Supply				
US-48-500W	AC/DC, Internal, 500W DC			
US-48-750W	AC/DC, Internal, 750W DC			
Rack-Mount	Yes, 1U Higł			
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV			
Shock and Vibration	ETSI300-019-1.4 Standard			
LEDs Per Port				
RJ45 Data Ports	PoE, Speed/Link/Activity			
SFP+/SFP Data Ports	Speed/Link/Activity			
Interfaces				

	(2) 1/10 Gbps SFP+ Ethernet Ports
	(2) 1 Gbps SFF Ethemet Ports
Management	(1) RJ45 Serial Port Out-of-Band, Ethernet In-Band
Management	(1) 1045 Senair Ort Out-Or-Dand, Ethernet In-Dand
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC
	PoE Per Port
PoE Interfaces	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-)
Max. PoE+ Wattage per Port by PSE	34.2W

Safety Notices

Voltage Range 802.3at Mode

- 1. Read, follow, and keep these instructions.
- 2. Heed all warnings.
- 3. Only use attachments/accessories specified by the manufacturer.



WARNING: Failure to provide proper ventilation may cause fire hazard. Keep at least 20 mm of clearance next to the ventilation holes for adequate airflow.

50-57V



WARNING: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.



WARNING: Do not use this product in location that can be submerged by water.



WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

- 1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
- 2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- 3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
 - a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
 - b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
 - c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
 - d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.

Limited Warranty

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.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

Australia and New Zealand



Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

CE

WEEE Compliance Statement

Declaration of Conformity

Online Resources







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