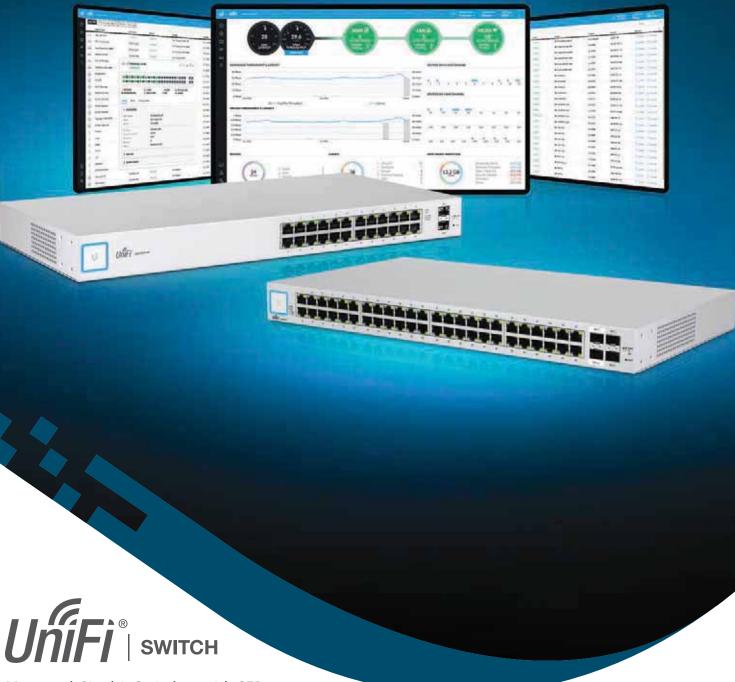
# Datasheet



Managed Gigabit Switches with SFP Models: US-24, US-48

Non-Blocking Throughput Switching Performance

Gigabit Ethernet RJ45 Ports

SFP+/SFP Fiber Connectivity Options





#### Overview

Build and expand your network with Ubiquiti Networks<sup>®</sup> UniFi<sup>®</sup> Switch, part of the UniFi line of products.

Available with 24 or 48 RJ45 Gigabit ports, the UniFi Switch is a fully managed Gigabit switch, delivering robust performance and intelligent switching for your growing networks.

### Switching Performance

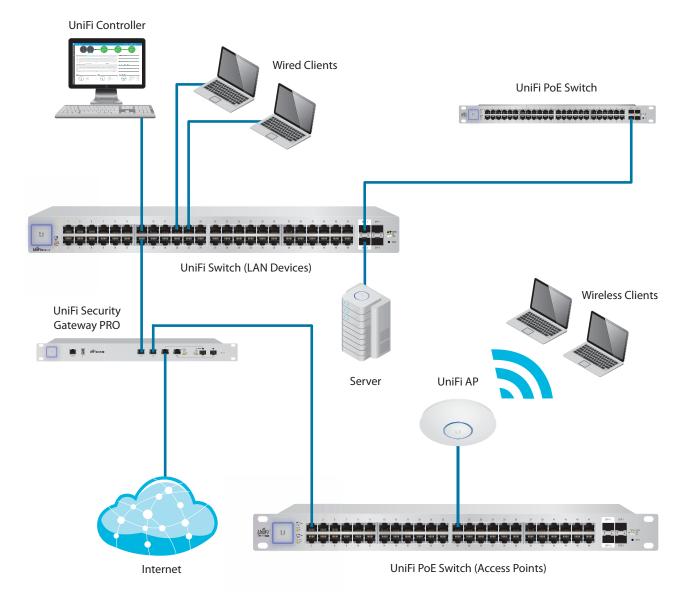
The UniFi Switch offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss.

For its total, non-blocking throughput, the 24-port model supports up to 26 Gbps, while the 48-port model supports up to 70 Gbps.

#### Fiber Connectivity

Each model includes two SFP ports for uplinks of up to 1 Gbps.

The 48-port model adds two SFP+ ports for high-capacity uplinks of up to 10 Gbps, so you can directly connect to a high-performance storage server or deploy a long-distance uplink to another switch.



**IIFI** switch DATASHEET

# 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



#### Dashboard

The Dashboard tab provides a visual representation of your network's status. Basic information is provided for each network segment.

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#### **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.



## Models



Model: US-24

- (24) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 26 Gbps
- Switching Capacity: 52 Gbps
- Forwarding Rate: 38.69 Mpps
- Maximum Power Consumption: 25W
- Rack-Mountable



#### Model: US-48

- (48) Gigabit RJ45 Ports
- (2) SFP+ Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 70 Gbps
- Switching Capacity: 140 Gbps
- Forwarding Rate: 104.16 Mpps

Model Comparison Chart

- Maximum Power Consumption: 56W
- Rack-Mountable





	US-8-150W	US-16-150W	US-24	US-24-250W US-24-500W	US-48	US-48-500W US-48-750W
Gigabit RJ45 Ports	8	16	24	24	48	48
SFP Ports		2		2	2	2
SFP+ Ports					2	2
802.3af/at PoE+		$\checkmark$				$\checkmark$
24V Passive PoE	$\checkmark$	$\checkmark$				$\checkmark$
Sound Level* (dBr)	0.5 (fanless)	1.7 - 10.8	1.6-9.2	9.1-21.2 9.3-21.6	0.7 - 13.5	10.7 - 23.6 12.1 - 24.7

\* Background noise level: 27.5 dBa

# **Hardware Specifications**

	US-24		
Dimensions	443 x 43 x 221 mm (17.44 x 1.69 x 8.70		
Weight	Rack-Mount Brackets Excluded	Rack-Mount Brackets Included	
	2.51 kg (5.53 lb)	2.60 kg (5.70 lb)	
Networking Interfaces	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports		
Management Interface	(1) RJ45 Serial Port Out-of-Band, Ethernet In-Band		
Total Non-Blocking Throughput	26 Gbps		
Switching Capacity	52 Gbps		
Forwarding Rate	38.69 Mpps		
Power Method	100-240VAC/50-60 Hz, Universal Input		
Power Supply	AC/DC, Internal, 25W DC		
Max. Power Consumption	25W		
LEDs per Port	Speed/Link/Activity		
Sound Level*	Fan Level: 0Fan Level: 1		
	1.6 dBr	9.2 dBr	
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV		
Rack Mount	Yes, 1U High		
Shock and Vibration	ETSI300-019-1.4 Standard		
Operating Temperature	-5 to 40° C (23 to 104° F)		
Operating Humidity	5 to 95% Noncondensing		
Certifications	CE, FCC, IC		

\* Background noise level: 27.5 dBa

	US-48		
Dimensions	443 x 43 x 286 mm (17.44 x 1.69 x 11.26")		
Weight	Rack-Mount Brackets Excluded	Rack-Mount Brackets Included	
	3.56 kg (7.85 lb)	3.65 kg (8.06 lb)	
Networking Interfaces	(48) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1/10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports		
Management Interface	(1) RJ45 Serial Port Out-of-Band, Ethernet In-Band		
Total Non-Blocking Throughput	70 Gbps		
Switching Capacity	140 Gbps		
Forwarding Rate	104.16 Mpps		
Power Method	100-240VAC/50-60 Hz, Universal Input		
Power Supply	AC/DC, Internal, 56W DC		
Max. Power Consumption		56W	
LEDs per Port	Speed/Link/Activity		
Sound Level*	Fan Level: 0	Fan Level: 1	
	0.7 dBr	13.5 dBr	
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV		
Rack Mount	Yes, 1U High		
Shock and Vibration	ETSI300-019-1.4 Standard		
Operating Temperature	-5 to 40° C (23 to 104° F)		
Operating Humidity	5 to 95% Noncondensing		
Certifications	CE, FCC, IC		
		* 0 1 1 1 1 275 10	

\* Background noise level: 27.5 dBa





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