DATASHEET

UniFi® XG 6 PoE

10G 6-Port Switch with 802.3bt PoE++

Model: US-XG-6POE

Non-Blocking Throughput Switching

802.3bt PoE++ to Simplify Infrastructure

10G Ethernet RJ45 and SFP+ Ports

UBIQUITI® NETWORKS

UniFi XG 6PoE

Overview

Build and expand your network with the Ubiquiti® UniFi® Switch XG 6POE, model US-XG-6POE. It is a fully managed, 6-port, 10G switch with 802.3bt PoE++.

For deployment versatility, four 10G RJ45 ports offer 802.3bt PoE++ for powering devices, and two SFP+ ports are designed for high-capacity fiber uplinks.

Switching Performance

The UniFi Switch XG 6POE offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss.

The switch features a total non-blocking throughput of up to 60 Gbps.

802.3bt PoE++ Compatibility

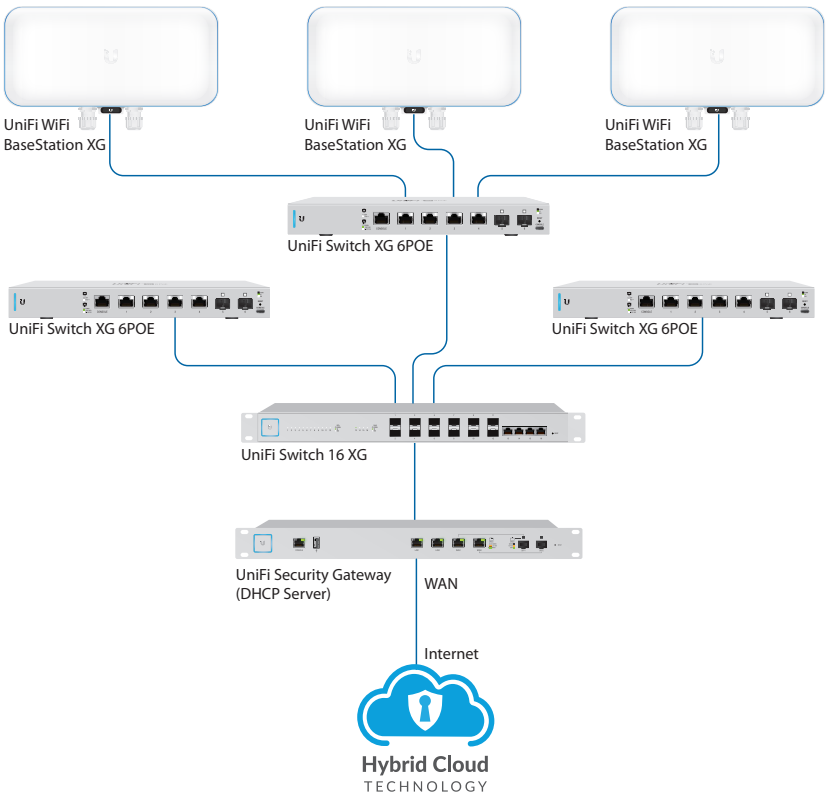
The UniFi Switch XG 6POE is compatible with devices requiring 802.3af or 802.3at, as well as the following UniFi Access Points (APs), which require 802.3bt power.

AP Model	802.3bt PoE++
UAP-AC-SHD	✓
UAP-XG	✓
UWB-XG	✓
UWB-XG-BK	✓

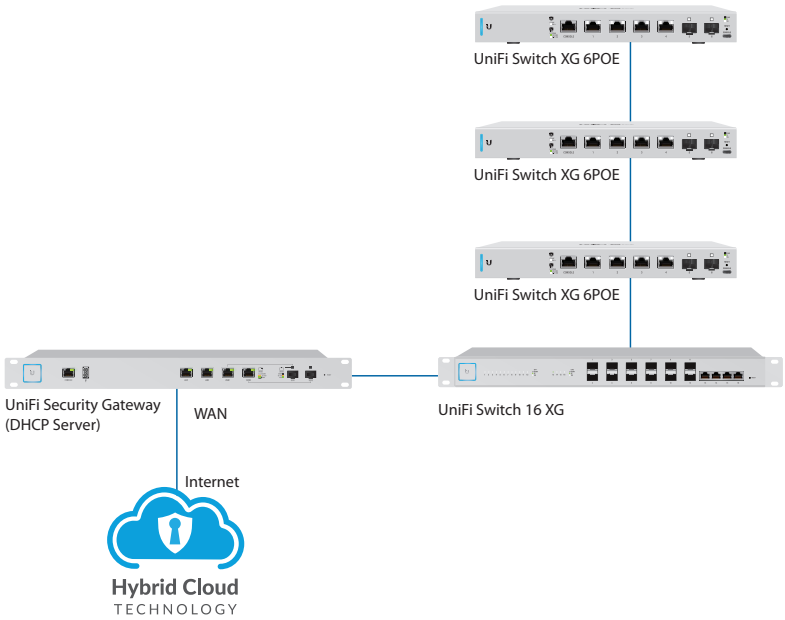
Power Redundancy

The UniFi Switch XG 6POE can be powered by a DC power source or the included power adapter. The optional DC input can be used as a stand-alone or redundant DC power source (not included).

Deployment Examples



Multiple switches connect via SFP+ to the UniFi Switch 16 XG. One UniFi Switch XG 6POE delivers data and 802.3bt PoE++ to multiple APs, the UniFi BaseStation XG, model UWB-XG.



Multiple switches are daisy-chained through their SFP+ interfaces.

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

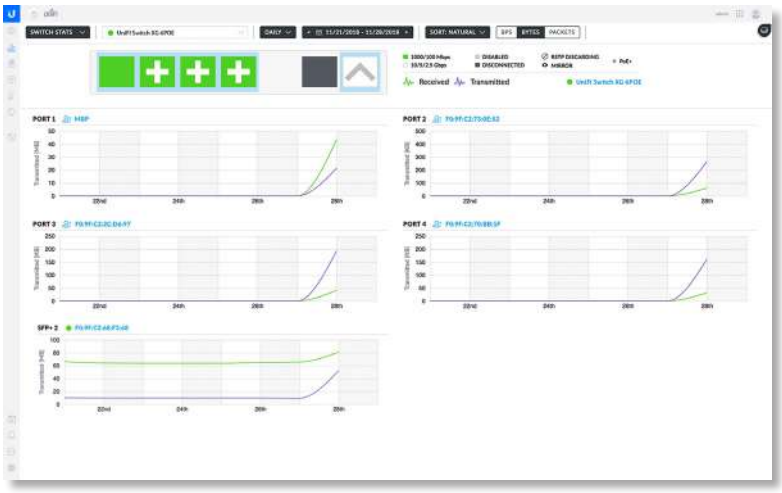
Switch Port Status

You can also view status information for each port:

- Connection speed and duplex mode
- TX/RX data rates
- Network/VLAN setting

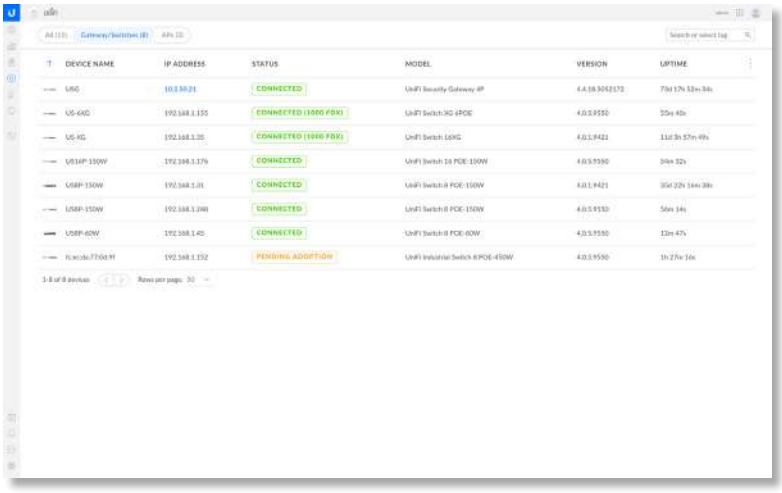
Dashboard

The *Dashboard* screen provides a visual representation of your network's status. Basic information is provided for your wired and wireless network segments.



Statistics

The *Switch Statistics* screen displays a graphical overview of all LAN throughput for each active port on the selected switch.



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.

UniFi XG 6PoE

Model: US-XG-6POE

- (4) 100/1000 Mbps and 2.5/5/10G RJ45 Ports
- (2) 1/10 SFP+ Ports
- (4) 802.bt PoE++ Ports
- Non-Blocking Throughput: 60 Gbps
- Switching Capacity: 120 Gbps
- Forwarding Rate: 89.3 Mpps
- Maximum Power Consumption*: 40W
- External 210W AC/DC Adapter (Included)
- DC Input Option (Redundant or Stand-Alone)

* *Excluding PoE Output*

Hardware Overview

802.3bt PoE++

The UniFi Switch XG 6POE offers 802.3bt PoE++ on all four RJ45 ports – up to 60W per port – for devices requiring additional power, such as the UniFi XG APs.

Power Options

The UniFi Switch XG 6POE includes a power adapter and features a DC input with terminal block so you have the option to use a DC power source (not included).

Mounting Versatility

The UniFi Switch XG 6POE can be mounted on a desktop or in a rack (rackmount accessory sold separately).

Specifications

US-XG-6POE	
Dimensions	165 x 268.1 x 31.8 mm (6.50 x 10.56 x 1.25")
Weight	1.3 kg (2.87 lb)
Interfaces Networking Management	 (4) 100/1000 Mbps and 2.5/5/10G RJ45 Ports (2) 1/10G SFP+ Ethernet Ports Ethernet In-Band (1) RJ45 Serial Port Out-of-Band (1) USB Type C Port Out-of-Band
Power Method	54VDC, 3.88A Power Adapter (Included) or DC Input with Terminal Block
Power Supply	External AC/DC Adapter (Included) or DC Power Source
Supported Voltage Range	44 to 57VDC
Max. Power Consumption (Excluding PoE Output)	40W
LEDs System RJ45 Data Ports SFP+ Data Ports	 Status PoE; Speed/Link/Activity Link/Activity
ESD/EMP Protection	Air: ± 18 kV, Contact: ± 12 kV
Shock and Vibration	ETSI300-019-1.4 Standard
Operating Temperature	-5 to 45° C (23 to 113° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

PoE	
PoE Interfaces	PoE++ IEEE 802.3bt (Pair A 1, 2+; 3, 6-) (Pair B 4 , 5+; 7, 8-)
Max. 802.3bt Wattage per Port by PSE	60W
Voltage Range 802.3af Mode	44-57V
Voltage Range 802.3at/bt Mode	50-57V

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