Datasheet



U

1



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



RESET CONSOLS

UTIFI Dera



Deployment Examples

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	\checkmark
UAP-XG	\checkmark
UWB-XG	\checkmark
UWB-XG-BK	\checkmark

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).



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

BP Land Grant			Everything is	great! 85%				Q 🔲 Last 24 Hes
MP Land Grad	Andrew Constant	Atom Atom Atom Atom Atom Atom Atom Atom	UU 18% Catenary Unitaries	12 Subles	• 20 Acces heirs	1244un	A THE	45 set
1 4 My Dashboard +	31 36 40 44	48 52 56 40	44 300 304	100 112 116 130	334 338	332 336 340	5er 153 157	Sel Sel
Withmany	Internet Connection: Dourisad		- Treast	ical - Througho Mast Active Classe ID:	Al Wed Wedes	Tap AP CPU Usage	Association Fallerss	Las wages
O APublice	2 > 10		Capacity	a Auto Proved	81758 >	S Asses/NetLand	*** 834	
Wrokes Classis		1		Coogle Pixel 2		AccessPaint Laked	8.25 > Type	Clean
Windess Clients	п > 10			📍 Next Indust Gr	m 453.68 >	Access/Paint Label	74% > Association Timesul	22
J Unitazion	200 > ²⁰	All all and a set	AL AL	Anassetche	11568 >	Acces/fultLated	42N > • WMAAdhestication Time • Blocked by access control	
-	" MMMM	white	man hand have the	14/14/14 ·	e 29468 >	Access/Paint Label	42% > 54% > Bidefly accounter 54% > Bidefly accounter	4
Traffic		when have a first when the	pp. h. h. h. h. h. h. h.				• Budadby associated	4
O Turk	" MMMM	10000000000000000000000000000000000000	manahadhadha	14/14/14 ·	e 20468 > 12768 >	Access/Paint Label	4.2% Bickelby accesses/to SAK OHCP Times/Faller 44% RADIO Authorization T 44%	4
O Turk	•••• > • ///////////		which when the second	14/14/14 ·	e 20468 > 12768 >	Access Point Label	4.2% Bickelby accesses/to SAK OHCP Times/Faller 44% RADIO Authorization T 44%	4
Traffic Meet Active Access Poliets	etun >	neris III	nen schad han der	14/14/14 ·	e 20468 > 12768 >	Access Point Label	42% > 58% > 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 68% 24% 76% 24% 76% 24%	a Z Innast Falara S
Turke Mad Active Access Public Access/Note Lated	10 10<	nera. III nepresafigh seal	nen al an	14/14/14 ·	e 20468 > 12768 >	Access Point Label	E2N S Electrally screen point Electrally screen point Electrally screen point Electrally screen point Electrally Electrally Electrally Consent (Difficultum Consent (Difficultum Consent (Difficultum Consent (Difficultum Consent (Difficultum Consent (Difficultum	i 4 ZeenstValee 2 Jan)
Turfs Mad Arthe Acous Publis Acous Public Lind Acous Public Lind	10 20 Juny 4000 3000 Juny 10000 3000 State	nens. III spormodiliph nind onitAcous IntToor III	venahan fran fran fran fran fran fran fran fr	14/14/14 ·	e 20468 > 12768 >	Access Point Label	ESS SS SS	imentifature 5 545 (545 (545 (
Tratic Med Arline Access Fabris	12 Martine State 61ax 3 3 10102 24 Averaging over 20% from 5 10102 24 Averaging over 20% from 5 10102 5 Staty Averaging over 20% from 5 10102 5 Very Averaging over 20% from 5 Staty Averaging over 20% from 5	nents III representația ent altă Aseas bef Rec ² 40 teo Teat Casas ²	nenahad from the	14/14/14 ·	e 20468 > 12768 >	Access Point Label	EXE Extended a second and a second	Seenal Falars
Yurki: Mad Addee Access Pable Access Pable Label	20 Annumber 21 Annumber 22 Annumber 23 Company 24 Annumber 250 Scale	mense III oppersonalitägi und da Alaras Inf Nar Canava, da una 1920 kala III	nen al free free free free free free free fre	14/14/14 ·	e 20468 > 12768 >	Access Point Label	123 > Bodefly assessment 186 > Bodefly assessment 187 > Bodefly assessment 188 > Bodefly assessment 189 Assessment fait Bodefly assessment 199 Samefly assessment fait Bodefly assessment 199 Samefly assessment fait Bodefly assessment	i a a a a a a a a a a a a a a a a a a a
Funic Funic Funic AccessRollerLand	************************************	ners III	anahadhiwithi iii	14/14/14 ·	e 20468 > 12768 >	Access Point Label	ADN > Biology expressions ADN > Biology expressions ADD > Biology expressions ADD > A	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Tradic T	1000 2 3	ners III	nensikadituwitu	endanda :	e 20468 > 12768 >	Access Point Label	LEX Second Parameters Dep Present/Lare	i at a stand Fallers 2 stand Fallers 2 stand Fallers 2 stand 2
Tradic T	Comparison of the second	ment. 11 september half and the second seco			a DAGA > 2016a >	Anatheritadi Anath	ADN > Biology expressions ADN > Biology expressions ADD > Biology expressions ADD > A	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Trafic Trafic Trafic Access/bioleLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel Access/biolLibel	•• ••<	ments and the second se	345.08		39468 > 11768 >	Ansahari Lad	ADN > Biology expressions ADN > Biology expressions ADD > Biology expressions ADD > A	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Torker	Image: Strategy of the	mem 10 specimically 10 mini databar 100 mini databar 100 mini databar 100	345.68 >		a 2000 > 1100 > 1000 >	Anatheritadi Anath	ADN > Biology expressions ADN > Biology expressions ADD > Biology expressions ADD > A	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Tradic T	•• ••<	ments and the second se	345.08		a DAGA > 2016a >	Annoheit Led Annoheit Led An	ADN > Electric resonance ADN > Electric resonance ADD Sector Participant	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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.

All (11) Gateway/Switche	s (8) APs (3)				Search or select tag
DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	UPTIME
USG	10.2.50.21	CONNECTED	UniFi Security Gateway 4P	4.4.18.5052172	73d 17h 52m 34s
US-6XG	192.168.1.155	CONNECTED (1000 FDX)	UniFi Switch XG 6POE	4.0.5.9550	55m 40s
US-XG	192.168.1.35	CONNECTED (1000 FDX)	UniFi Switch 16XG	4.0.1.9421	11d 3h 57m 49s
	192.168.1.176	CONNECTED	UniFi Switch 16 POE-150W	4.0.5.9550	54m 32s
US8P-150W	192.168.1.31	CONNECTED	UniFi Switch 8 POE-150W	4.0.1.9421	35d 22h 16m 38s
US8P-150W	192.168.1.248	CONNECTED	UniFi Switch 8 POE-150W	4.0.5.9550	56m 14s
US8P-60W	192.168.1.45	CONNECTED	UniFi Switch 8 POE-60W	4.0.5.9550	12m 47s
fcecda:77:0d.9f	192.168.1.152	PENDING ADOPTION	UniFi Industrial Switch 8 POE-450W	4.0.5.9550	1h 27m 16s
1-8 of 8 devices ()	Rews per page: 50 \vee				

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.





XG 6 PoE



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	

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ubnt.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.

©2018 Ubiquiti Networks, Inc. All rights reserved. Ubiquiti, Ubiquiti Networks, the Ubiquiti U logo, the Ubiquiti beam logo, and UniFi are trademarks or registered trademarks of Ubiquiti Networks, Inc. in the United States and in other countries. All other trademarks are the property of their respective owners.



