



# Switch Enterprise 48 PoE

Layer 3 switch with (48) 2.5GbE RJ45 ports with PoE+ support for WiFi 6 access points and (4) 10G SFP+ ports.

The Switch Enterprise 48 PoE (USW Enterprise 48 PoE) is a configurable, Layer 3 switch with (48) auto-sensing, 2.5GbE RJ45 ports that can deliver 802.3af/at PoE+ to WiFi 6 access points, as well as (4) 10G SFP+ ports to supply you with additional fiber uplink options. The USW Enterprise 48 PoE also offers an extensive suite of advanced Layer 2 switching protocols, including port-specific operation modes (switching, mirroring, or aggregate). Additionally, it features a 1.3" LCM color touchscreen that simplifies system and connection management when used with the UniFi Network mobile app's AR switch scanning feature. The USW Enterprise 48 PoE can be fully managed and configured with either the UniFi Network web application or mobile app.



## Mechanical

Dimensions	442 x 44 x 400 mm (17.4 x 1.7 x 15.7")
Weight	Without mount: 6.2 kg (13.67 lb) With mount: 6.3 kg (13.89 lb)
Enclosure material	SGCC steel
Mount material	SGCC steel

## Hardware

Total non-blocking throughput	160 Gbps
Switching capacity	320 Gbps
Forwarding rate	238.095 Mpps
Max. power consumption (excluding PoE output)	150 W
Power method	(1) Universal AC input, 100-240VAC, 10A Max, 50/60 Hz (1) USP-RPS DC input, 52VDC, 13.84A; 11.5VDC, 13A
Power supply	AC/DC, internal, 100-240V, 10A max.
Management interface	Ethernet in-band
Networking interfaces	(48) 100MbE/1GbE/2.5GbE RJ45 port
SFP+ interfaces	(4) 1G/10G SFP+ ports
PoE interfaces	(48) PoE+ IEEE 802.3af/at (pins 1, 2+; 3, 6-)
Total PoE supply	720 W
Max. PoE+ wattage per port by PSE	34.2 W
Voltage range 802.3af mode	44 to 57V
Voltage range 802.3at mode	50 to 57V
Services	SMB Layer 3 PoE Gigabit Ethernet switch
ESD/EMP protection	Air: ± 16 kV, contact: ± 12 kV
Display	(1) 1.3" LCM color touchscreen Bootup animation: bootup in progress Firmware update icon: firmware updating Steady white: factory defaults, awaiting adoption Steady blue: device is adopted
Button	Factory reset
Operating temperature	-5 to 40° C (23 to 104° F)
Operating humidity	10 - 90% noncondensing
Certifications	CE, FCC, IC



## LEDs

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Ethernet

White: [link or activity](#)

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SFP+

White: [link or activity](#)



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at [www.ui.com/support/warranty](http://www.ui.com/support/warranty)

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## Mechanical

<b>Dimensions</b>	442 x 400 x 44 mm (17.4 x 15.7 x 1.7")
<b>Weight</b>	Without mounting brackets: 6.2 kg (13.7 lb) With mounting brackets: 6.3 kg (13.9 lb)
<b>Enclosure material</b>	SGCC steel

## Hardware

<b>Management interface</b>	Ethernet In-Band
<b>Networking interface</b>	(48) 2.5 GbE RJ45 ports (4) 1/10G SFP+ ports
<b>PoE interface</b>	(48) PoE/PoE+ (Pins 1, 2+; 3, 6-)
<b>Total non-blocking throughput</b>	160 Gbps
<b>Switching capacity</b>	320 Gbps
<b>Forwarding rate</b>	238.095 Mpps
<b>Power method</b>	(1) Universal input, 100–240V AC, 10A Max., 50/60 Hz (1) USP-RPS DC input, 52V DC, 13.84A; 11.5V DC, 13A
<b>Power supply</b>	AC/DC, internal, 100–240V, 10A Max.
<b>Supported voltage range</b>	100–240V AC
<b>Max. power consumption</b>	150W (Excluding PoE output)
<b>Total available PoE</b>	720W
<b>Max. PoE wattage per port by PSE</b>	PoE+: 34.2W
<b>Voltage range PoE mode</b>	PoE: 44–57V PoE+: 50–57V
<b>Services</b>	SMB Layer 3 PoE GbE Switch
<b>ESD/EMP protection</b>	Air: ± 16kV, contact: ± 12kV
<b>LCM display</b>	(1) 1.3" color touchscreen
<b>Button</b>	Factory reset

<b>Ambient operating temperature</b>	-5 to 40° C (23 to 104° F)
<b>Ambient operating humidity</b>	10 to 90% noncondensing
<b>Certifications</b>	CE, FCC, IC

## Switching Features

<b>Layer 2 features</b>	<ul style="list-style-type: none"> <li>IGMP snooping</li> <li>STP / RSTP with priorities and port-level disable</li> <li>Port isolation</li> <li>Storm control</li> <li>Voice VLAN</li> <li>Port mirroring</li> <li>LACP port aggregation</li> <li>Multicast / broadcast rate limiting</li> <li>MAC address blocking</li> <li>Flow control</li> <li>802.1X control</li> <li>Jumbo frames</li> <li>Proprietary loop protection</li> <li>DHCP snooping / guarding</li> <li>Egress rate limit</li> <li>LLDP-MED</li> <li>Port restricted by MAC</li> </ul>
<b>Layer 3 features</b>	<ul style="list-style-type: none"> <li>DHCP for locally-managed networks</li> <li>DHCP relay</li> <li>Inter-VLAN routing between networks on same switch</li> <li>Static routing between local networks</li> </ul>

## LEDs

<b>System</b>	Status
<b>Ethernet</b>	Link/activity
<b>SFP+</b>	Link/activity

## Application Requirements

<b>UniFi Network</b>	Version 6.2.26 and later
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