



UniFi UISP Branding

Q USW Pro 48 Poe

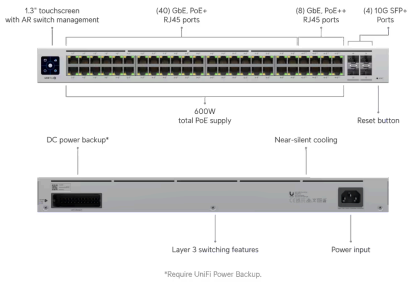
s Switching WiFi Physical Security Door Access Integrations Advanced Hosting

Professional > Pro 48 PoE



Pro 48 PoE
USW-Pro-48-POE

- Datasheet
- In The Box
- Marketing Images
- Accessories
- Installation Guide



Overview

Dimensions	442 x 400 x 44 mm (17.4 x 15.7 x 1.7")
Port Layout	
1 GbE RJ45	48 (40 PoE+; 8 PoE++) (1G/100M/10M)
10G SFP+	4 (10G/1G)
Max. PoE Output	Up to PoE++
Total PoE Availability	600W

Redundancy	DC Power Backup ⓘ
Layer 3	✓
Form Factor	Rack mount (1U)

^ Performance

Switching Capacity	176 Gbps
Total Non-Blocking Throughput	88 Gbps
Forwarding Rate	131 Mpps
Supported VLANs	1,000
MAC Address Table Size	16,000
IPv4 Static Routes	256
Packet Buffer Size	4 MB
Access Lists	
IPv4	128
MAC	128

^ Layer 3 Features

DHCP Server (Local Networks)	✓
DHCP Relay	✓
Inter-VLAN Routing (Local Networks)	✓
Static Routing (Local Networks)	✓

^ Layer 2 Features

LACP Port Aggregation	✓
STP & RSTP	✓
QoS (DSCP)	✓
Pro AV Profiles (Play, Dante, Q-SYS, NDI, SDVoE, Shure, AES67, Crestron)	✓
Advanced IGMP Configuration (Querier, Fast Leave, Router Port)	✓

IGMP Snooping	✓
802.1X Control	✓
MAC-Based ACLs & Device Isolation	✓
DHCP Snooping & Guarding	✓
Egress Rate Limit	✓
Flow Control	✓
Storm Control	✓
Multicast & Broadcast Rate Limiting	✓
MAC Address Blocking	✓
IP-Based ACLs & Network Isolation	✓
MAC-Based Port Restriction	✓
Port Isolation	✓
Port Mirroring	✓
Jumbo Frames	✓
LLDP-MED	✓
Voice VLAN	✓
Loop Protection	✓
Virtual Network Override	✓

^ **Hardware**

PoE Ports

PoE+	40
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PoE++	8
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Max. PoE Wattage per Port by PSE

PoE	15.4W
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PoE+	32W
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PoE++	60W
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Max. Power Consumption	60W (Excluding PoE Output) 660W (Including PoE Output)
Power Method	(1) Universal input, 100-240V AC, 50/60 Hz (1) USP RPS DC input
Power Input Method	AC input
Power Supply	AC/DC, internal, 660W
Supported Voltage Range	100-240V AC
Management	Ethernet AR
Heat Dissipation	204.7 BTU/hr (Excluding PoE Output)
Weight	Without mounting brackets: 6.2 kg (13.7 lb) With mounting brackets: 6.3 kg (13.9 lb)
Enclosure Material	SGCC steel
Mount Material	SGCC steel
Supported Rack Depth	400~1200 mm (15.7-47.2")
LCM Display	1.3" touchscreen
ESD Protection	Air: ± 16kV, contact: ± 12kV
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 90% noncondensing
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel: 13790-20-08356

^ Software

Application Requirements

UniFi Network	Version 5.10.5 and later<
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