

Product:

USW-Pro-HD-24-PoE

Overview

Dimensions	442 x 400 x 44 mm (17.4 x 15.7 x 1.7")
Max. PoE Output	Up to PoE++
Total PoE Availability	600W
Redundancy	DC Power Backup
Layer 3	✓
Form Factor	Rack mount (1U)
Etherlighting™	✓
Port Layout	
2.5 GbE RJ45	22 (All PoE++) (2.5G/1G/100M/10M)
10 GbE RJ45	2 (All PoE++) (10G/5G/2.5G/1G/100M)
10G SFP+	4 (10G/1G)

Performance

Switching Capacity	230 Gbps
Total Non-Blocking Throughput	115 Gbps
Forwarding Rate	171 Mpps
Supported VLANs	1,000
MAC Address Table Size	32,000
Packet Buffer Size	2 MB

L3 Table Size

ARP Entries	12,000
IPv4 Routes	12,000

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	✓

Hardware

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
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	600 - 1,200 mm (23.6- 47.2")
LCM Display	1.3" touchscreen
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 90% noncondensing
NDAA Compliant	✓
Certifications	CE, FCC, IC
PoE Ports	
PoE++	24
Max. PoE Wattage per Port by PSE	
PoE	15.4W
PoE+	30W
PoE++	64W
Etherlighting™	
Ethernet	✓
SFP+	✓

Software

Application Requirements

UniFi Network Version 9.0.114 and later



Datasheet

1.3" touchscreen
with AR switch management

(22) Multi-speed 2.5 GbE PoE++ ports
(2.5G/1G/100M/10M)

(2) Multi-speed 10 GbE PoE++ ports
(10G/5G/2.5G/1G/100M)

(4) 10G SFP+
ports



600W
total PoE supply

Reset button

DC power backup*

Layer 3 switching features



Power input Safety latch

*Require UniFi Power Backup.



Datasheet

(24) Etherlighting™ ports that illuminate to indicate port location, speed/link, and native VLAN/network**



**Pair with UniFi Etherlighting Patch Cables for optimal brightness.

