



DATASHEET

ECS-24S-PoE

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UniFi Enterprise Campus 24S PoE - Tech Specs

25G SFP28	4 (25G/10G/1G)
100G QSFP28	2 (100G)
Console	1
Max. PoE Output	Up to PoE+++ 100-240V AC Shared Mode: 1,050W with (2) 600W modules 100-240V AC Redundant Mode: 450W with (2) 600W modules
Total PoE Availability	200-240V AC Shared Mode: 2,250W with (2) 1,200W modules 100-120V AC Shared Mode: 1,850W with (2) 1,200W modules 200-240V AC Redundant Mode: 1,050W with (2) 1,200W modules 100-120V AC Redundant Mode: 850W with (2) 1,200W modules

Redundancy
Switch Stacking
(2) Hot-Swappable PSUs
(4) Hot-Swappable Fans

Layer 3 ✓

Form Factor Rack Mount (1U, Full-Depth)

Etherlighting™ ✓

Performance

Switching Capacity 460 Gbps

Total Non-Blocking Throughput 230 Gbps

Forwarding Rate 342 Mpps

Supported VLANs 1,000

MAC Address Table Size 128,000

L3 Table Size

ARP Entries 128,000

IPv4 Routes 256,000

Packet Buffer Size 8 MB

Access Lists

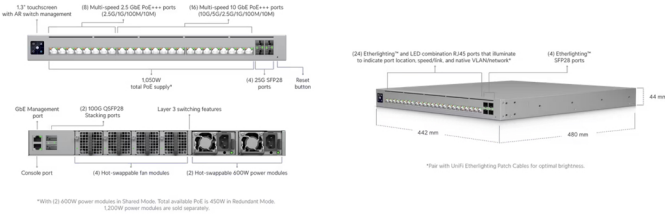
IPv4 256

MAC 256

Enterprise Campus 24S PoE ECS-24S-PoE

Datasheet

Marketing Images



*With (2) 600W power modules in Shared Mode. Total available PoE is 450W in Redundant Mode. 1,050W power modules are sold separately.

Overview

Dimensions 442.4 x 44 x 496 mm
(17.4 x 1.7 x 19.5")

Port Layout

1 GbE RJ45	1 (1G/100M/10M)
2.5 GbE RJ45	8 (All PoE+++) (2.5G/1G/100M/10M)
10 GbE RJ45	16 (All PoE+++) (10G/5G/2.5G/1G/100M/10M)

Layer 3 Features

DHCP Server (Local Networks)	✓	Etherlighting™	
DHCP Relay	✓	Ethernet	✓
Inter-VLAN Routing (Local Networks)	✓	SFP28	✓
Static Routing (Local Networks)	✓	LEDs	
Layer 2 Features		Ethernet	✓
LACP Port Aggregation	✓	SFP28	✓
STP & RSTP	✓	System	✓
QoS (DSCP)	✓	NDAA Compliant	✓
Pro AV Profiles (Play, Dante, Q-SYS, NDI, SDVoE, Shure, AES67, Crestron)	✓	Certifications	CE, FCC, IC

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

PoE Ports	
PoE+++	24
Max. PoE Wattage per Port by PSE	
PoE	15.4W
PoE+	30W
PoE++	60W
PoE+++	90W
Max. Power Consumption	150W (Excluding PoE Output) 2,400W (Including PoE Output)
Power Method	(2) Universal input, 100—240V AC, 50/60 Hz
Power Input Method	(2) AC input, Hot-swappable power modules
Power Supply	(2) Hot-swappable AC/DC 600W power modules
Supported Voltage Range	100—240V AC
Management	Ethernet OOB Management port Serial Console AR
Heat Dissipation	512 BTU/hr (Excluding PoE Output)
Weight	Without mounting brackets: 9.2 kg (20.3 lb) With mounting brackets: 9.3 kg (20.5 lb)
Enclosure Material	SGCC steel
Mount Material	SGCC steel
Supported Rack Depth	482.6 mm (19") four-post racks Posts depths ranging from 650 to 1,000 mm (25.6-39.4")
LCM Display	1.3" touchscreen
Fan Method	(4) Hot-swappable fan modules
ESD Protection	Air: ± 12kV, contact: ± 12kV
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 90% noncondensing