

Enterprise Campus 48S

ECS-48S

Datasheet

^ 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	32 (2.5G/1G/100M/10M) ⓘ
10 GbE RJ45	16 (10G/5G/2.5G/1G/100M/10M) ⓘ
25G SFP28	4 (25G/10G/1G)
100G QSFP28	2 (100G) ⓘ
Console	1
Redundancy	Switch Stacking (2) Hot-Swappable PSUs (4) Hot-Swappable Fans
Layer 3	✓
Form Factor	Rack Mount (1U, Full-Depth) ⓘ
Etherlighting™	✓

^ Performance

Switching Capacity	680 Gbps
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Total Non-Blocking Throughput	340 Gbps
Forwarding Rate	506 Mpps
Supported VLANs	1,000
MAC Address Table Size	32,000
IPv4 Static Routes	512
Packet Buffer Size	8 MB
Access Lists	
IPv4	256
MAC	256

^ **Layer 3 Features**

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

^ **Layer 2 Features**

LACP Port Aggregation	✓
Stacking	✓ ⓘ
Cross-Stack LAG	✓ ⓘ
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**

Max. Power Consumption	250W
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 550W power modules
Supported Voltage Range	100–240V AC
Management	Ethernet OOB Management port Serial Console AR
Heat Dissipation	853 BTU/hr
Weight	Without mounting brackets: 10.2 kg (22.5 lb) With mounting brackets: 10.3 kg (22.7 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: $\pm 12\text{kV}$, contact: $\pm 8\text{kV}$
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 90% noncondensing
Etherlighting™	
Ethernet	✓
SFP28	✓
LEDs	
Ethernet	✓
SFP28	✓
System	✓
NDAA Compliant	✓
Certifications	CE, FCC, IC

^ **Software**

Application Requirements

UniFi Network	Version 10.6.101 and later
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