Datasheet

Product: ECS-48S

Overview

Dimensions	442.4 x 44 x 496 mm (17.4 x 1.7 x 19.5")
Redundancy	Switch Stacking (2) Hot-Swappable PSUs (4) Hot-Swappable Fans
Layer 3	✓
Form Factor	Rack Mount (1U, Full-Depth)
Etherlighting™	✓
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

Performance

Switching Capacity	680 Gbps
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

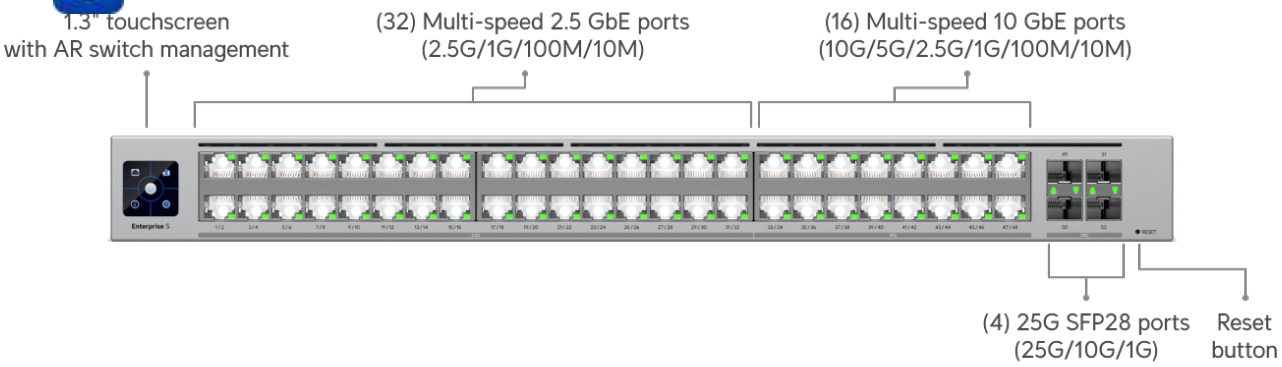
Max. Power Consumption	250W
Power Method	(2) Universal input, 100–240V AC, 50/60 Hz
Power Input Method	(2) AC input, Hot-swappable power modules
Power Supply	(2) Hot-swappable AC/DC 550W power modules
Supported Voltage Range	100–240V AC

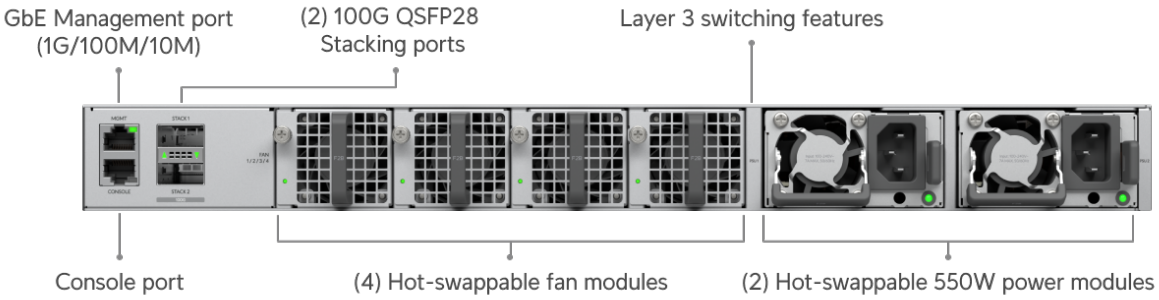
Management	Ethernet OOB Management port Serial Console AR
Heat Dissipation	853 BTU/hr
Weight	Without mounting brackets: 10.2 kg (22.5 lb) With mounting brackets: 10.3 kg (22.7 lb)
Enclosure Material	SGCC steel
Mount Material	SGCC steel
Supported Rack Depth	482.6 mm (19") four-post racks Posts depths 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: ± 12kV, contact: ± 8kV
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 90% noncondensing
NDAA Compliant	✓
Certifications	CE, FCC, IC
Etherlighting™	
Ethernet	✓
SFP28	✓
LEDs	
Ethernet	✓
SFP28	✓
System	✓

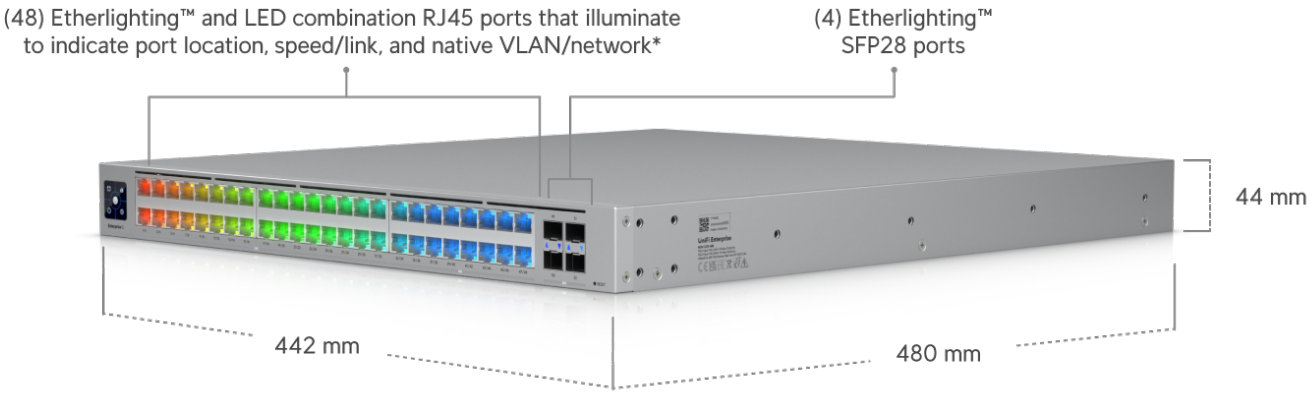
Software

Application Requirements

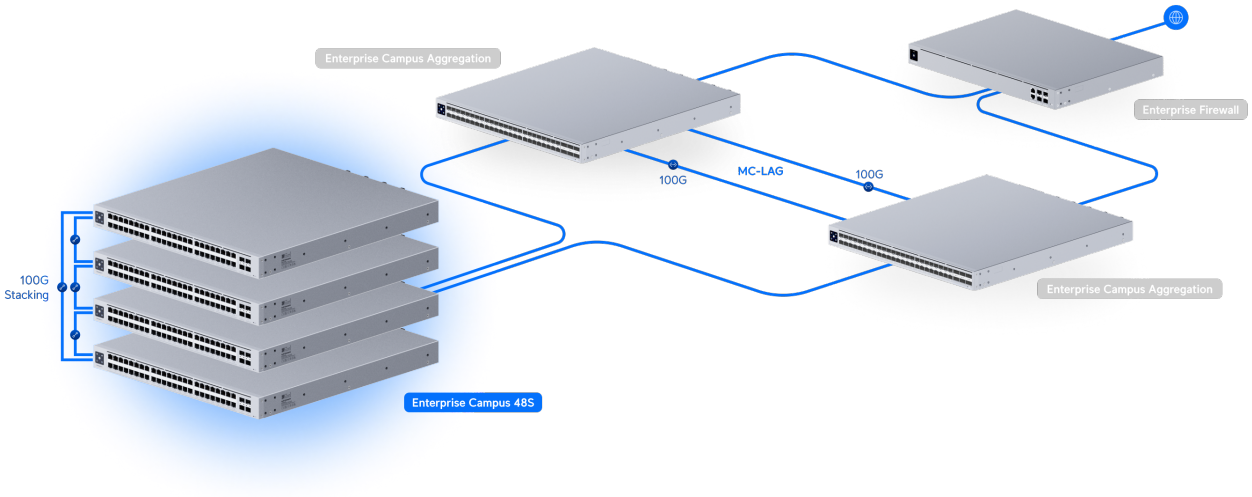
UniFi Network	Version 10.6.101 and later


1.3" touchscreen
with AR switch management
(32) Multi-speed 2.5 GbE ports
(2.5G/1G/100M/10M)
(16) Multi-speed 10 GbE ports
(10G/5G/2.5G/1G/100M/10M)
(4) 25G SFP28 ports
(25G/10G/1G)
Reset
button


GbE Management port
(1G/100M/10M)
(2) 100G QSFP28
Stacking ports
Layer 3 switching features
Console port
(4) Hot-swappable fan modules
(2) Hot-swappable 550W power modules



*Pair with UniFi Etherlighting Patch Cables for optimal brightness.


Enterprise Campus Aggregation
Enterprise Firewall
100G
MC-LAG
100G
100G
Stacking
Enterprise Campus Aggregation
Enterprise Campus 48S