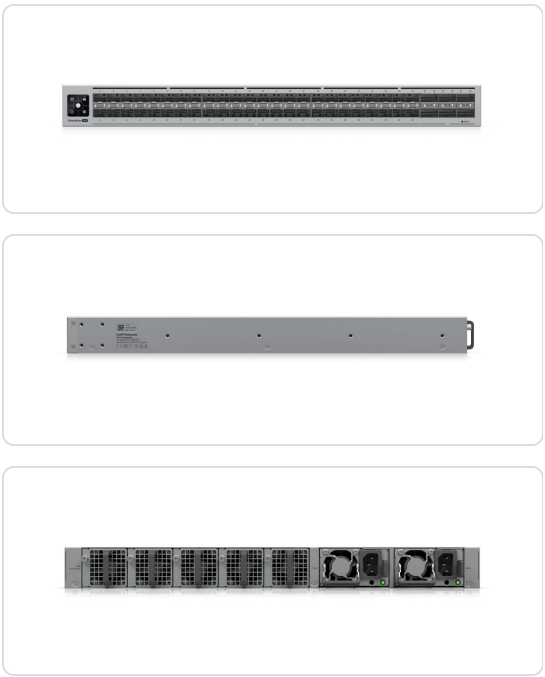
Enterprise Campus Aggregation

SL-ECS-Aggregation

NETWORK SWITCH

1.8 Tbps high-density 100G/25G Layer 3 Etherlighting™ aggregation switch with MC-LAG support for high availability system design.





OVERVIEW

Dimensions	442.4 × 43.7 × 496 mm (17.4 × 1.7 × 19.5")
Port Layout	
25G SFP28	48 (25G/10G)
100G QSFP28	6 (100G/40G) *Breakout cables are not supported*
Redundancy	Multi-Chassis Link Aggregation (MC-LAG) (2) Hot-Swappable PSUs (5) Hot-Swappable Fans
Layer 3	✓ Yes
Form Factor	Rack mount (1U, Full-Depth) *Requires a 4-post rack, or a center-mount bracket or cantilever shelf on 2-post racks for optimal support.*

Etherlighting™	✓ Yes

PERFORMANCE

Switching Capacity	3.6 Tbps
Total Non-Blocking Throughput	1.8 Tbps
Forwarding Rate	2.4 Bpps
Supported VLANs	1,000
MAC Address Table Size	128,000
IPv4 Static Routes	256
Packet Buffer Size	24 MB
Access Lists	
IPv4	512
MAC	512

LAYER 3 FEATURES

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

LAYER 2 FEATURES

LACP Port Aggregation	✓ Yes
MC-LAG	✓ Yes *MC-LAG requires pairing with another Enterprise Campus Aggregation. Up to 26 Target Device Memberships.*
STP & RSTP	✓ Yes
Advanced IGMP Configuration (Querier, Fast Leave, Router Port)	✓ Yes
IGMP Snooping	✓ Yes
MAC-Based ACLs & Device Isolation	✓ Yes
DHCP Snooping & Guarding	✓ Yes
Egress Rate Limit	✓ Yes
Flow Control	✓ Yes
MAC Address Blocking	✓ Yes
IP-Based ACLs & Network Isolation	✓ Yes

MAC-Based Port Restriction	✓ Yes
Port Isolation	✓ Yes
Port Mirroring	✓ Yes
Jumbo Frames	✓ Yes
LLDP-MED	✓ Yes
Voice VLAN	✓ Yes
Loop Protection	✓ Yes

HARDWARE

Max. Power Consumption	340W
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 AR
Heat Dissipation	1160 BTU/hr
Weight	Without mounting brackets: 9.9 kg (21.8 lb) With mounting brackets: 10 kg (22 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
ESD Protection	Air: ± 12kV, contact: ± 8kV
Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
Ambient Operating Humidity	10 to 95% noncondensing
Etherlighting™	
SFP28	✓ Yes
QSFP28	✓ Yes
LEDs	
PSU	✓ Yes
Fan	✓ Yes
NDAA Compliant	✓ Yes

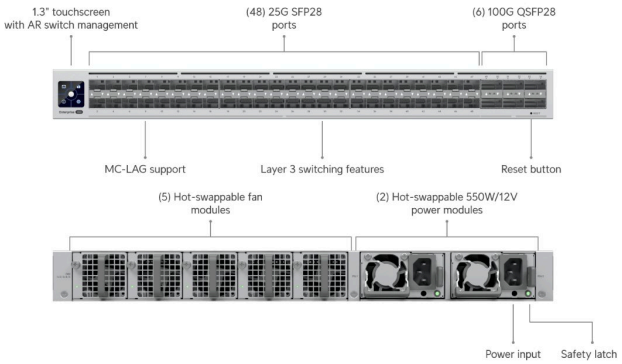
Certifications	CE, FCC, IC, Anatel: 01327-25-08356

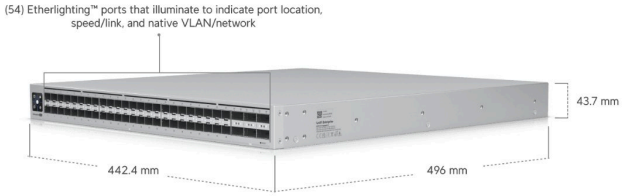
SOFTWARE

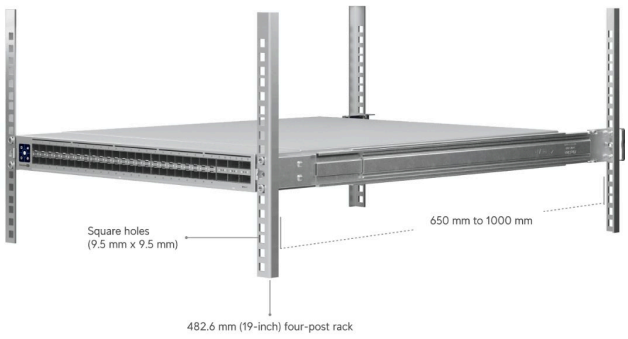
Application Requirements

Network application	Version 8.5.6 and later

PRODUCT DRAWINGS







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