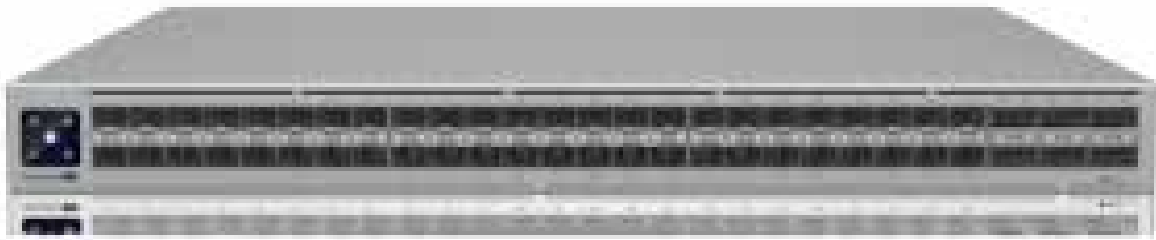


UniFi | Enterprise Campus Switch Datasheet

MiRO

Enterprise Campus Aggregation

SKU: UB-UE-AGG



The Ubiquiti Enterprise Campus Switch is a high-performance Layer 3 aggregation switch designed for large-scale campus networks. With a 1.8 Tbps switching capacity, it features 48 x 25G SFP28 ports and 6 x 100G QSFP28 ports, ensuring high-density connectivity for demanding environments. Key capabilities include Multi-Chassis Link Aggregation (MC-LAG), Layer 3 automatic failover (VRRP), and BGP Dynamic Routing for seamless redundancy and efficient routing. The switch also includes two hot-swappable power modules with 1+1 redundancy and five hot-swappable fan modules with 4+1 redundancy for enhanced reliability. Managed through Ubiquiti's UniFi Controller, the switch simplifies network monitoring and configuration. Ideal for large enterprise or data center deployments, it offers scalability, high availability, and robust security features like VLANs, ACLs, and 802.1X authentication.

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Overview

| | |
|----------------|---|
| Dimensions | 442.4 x 43.7 x 496 mm (17.4 x 1.7 x 19.5") |
| Port Layout | |
| 25G SFP28 | 48 |
| 100G QSFP28 | 6 |
| Redundancy | Multi-Chassis Link Aggregation (MC-LAG) (2) Hot-Swappable PSUs (5) Hot-Swappable Fans |
| Layer 3 | ✓ |
| Form Factor | Rack mount (1U) |
| Etherlighting™ | ✓ |

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 | 256,000 |
| L3 Table Size | |
| ARP Entries | 512,000 |
| IPv4 Routes | 512,000 |
| Packet Buffer Size | 24 MB |

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Layer 3 Features

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

Layer 2 Features

- LACP Port Aggregation ✓
- MC-LAG ✓
- STP & RSTP ✓
- Advanced IGMP Configuration
(Querier, Fast Leave, Router Port) ✓
- IGMP Snooping ✓
- MAC-Based ACLs & Device Isolation ✓
- DHCP Snooping & Guarding ✓
- Egress Rate Limit ✓
- Flow Control ✓
- IP-Based ACLs & Network Isolation ✓
- MAC-Based Port Restriction ✓
- Port Isolation ✓
- Port Mirroring ✓
- Jumbo Frames ✓
- LLDP-MED ✓
- Voice VLAN ✓
- Loop Protection ✓

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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 | (Excluding PoE Output) 1160.08 BTU/hr |
| Weight | Without mounting brackets: 9.9 kg (21.8 lb) With mounting brackets: 10kg (22.04 lb) |
| Enclosure Material | SGCC steel |
| LCM Display | 1.3" touchscreen |
| ESD/EMP Protection Air: | ± 12kV, contact: ± 8kV |
| Ambient Operating Temperature | -5 to 40° C (23 to 104° F) |
| Ambient Operating Humidity | 10 to 95% noncondensing |
| Certifications | CE, FCC, IC |
| Etherlighting™ | |
| SFP+ | ✓ |
| SFP28 | ✓ |
| QSFP28 | ✓ |
| Software | |
| Application Requirements | |
| UniFi Network | Version 8.5.6 and later |

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Enterprise Campus Aggregation SKU: UB-UE-AGG

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

