

# Enterprise Campus 24S

## ECS-24S

Datasheet

### ^ Overview

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| Dimensions     | 442.4 x 44 x 496 mm<br>(17.4 x 1.7 x 19.5")                         |
| Port Layout    |                                                                     |
| 1 GbE RJ45     | 1<br>(1G/100M/10M) ⓘ                                                |
| 2.5 GbE RJ45   | 8<br>(2.5G/1G/100M/10M) ⓘ                                           |
| 10 GbE RJ45    | 16<br>(10G/5G/2.5G/1G/100M/10M) ⓘ                                   |
| 25G SFP28      | 4<br>(25G/10G/1G)                                                   |
| 100G QSFP28    | 2<br>(100G) ⓘ                                                       |
| Console        | 1                                                                   |
| Redundancy     | Switch Stacking<br>(2) Hot-Swappable PSUs<br>(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        | 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  | 150W                                                                                     |
| 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<br>OOB Management port<br>Serial Console<br>AR                                  |
| Heat Dissipation        | 512 BTU/hr                                                                               |
| Weight                  | Without mounting brackets: 9.6 kg (21.1 lb)<br>With mounting brackets: 9.7 kg (21.3 lb)  |
| Enclosure Material      | SGCC steel                                                                               |
| Mount Material          | SGCC steel                                                                               |
| Supported Rack Depth    | 482.6 mm (19") four-post racks<br>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         |
| Etherlighting™                |                                 |
| Ethernet                      | ✓                               |
| SFP28                         | ✓                               |
| LEDs                          |                                 |
| Ethernet                      | ✓                               |
| SFP28                         | ✓                               |
| Power Output                  | ✓                               |
| NDAA Compliant                | ✓                               |
| Certifications                | CE, FCC, IC                     |
| ^ <b>Software</b>             |                                 |
| Application Requirements      |                                 |
| UniFi Network                 | Version 10.6.101 and later      |