

UniFi

DATASHEET

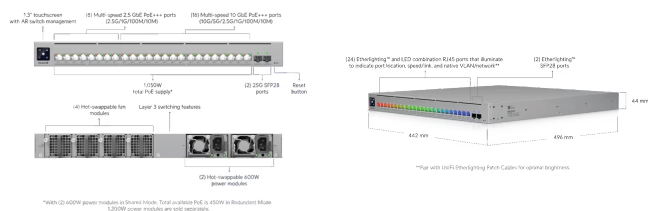
ECS-24-PoE

Datasheet

In The Box

Marketing Images

Installation Guide



Overview

Dimensions	442.4 x 43.7 x 496 mm (17.4 x 1.7 x 19.5")
Port Layout	
2.5 GbE RJ45	8 (All PoE+++) (2.5G/1G/100M/10M)
10 GbE RJ45	16 (All PoE+++) (10G/5G/2.5G/1G/100M/10M)
25G SFP28	2 (25G/10G/1G)
Max. PoE Output	Up to PoE+++ 100-240V AC Shared Mode: 1,050W with (2) 600W modules 100-240V AC Redundant Mode: 450W with (2) 600W modules

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

PoE Ports	
PoE+++	24
Max. PoE Wattage per Port by PSE	
PoE	15.4W
PoE+	30W
PoE++	60W
PoE+++	90W
Max. Power Consumption	150W (Excluding PoE Output) 2,400W (Including PoE Output)

Total PoE Availability	200-240V AC Shared Mode: 2,250W with (2) 1,200W modules 100-120V AC Shared Mode: 1,850W with (2) 1,200W modules 200-240V AC Redundant Mode: 1,050W with (2) 1,200W modules 100-120V AC Redundant Mode: 850W with (2) 1,200W modules
------------------------	--

Redundancy	(2) Hot-Swappable PSUs (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	128,000
------------------------	---------

L3 Table Size	
---------------	--

ARP Entries	128,000
-------------	---------

IPv4 Routes	256,000
-------------	---------

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	✓
-----------------------	---

STP & RSTP	✓
------------	---

QoS (DSCP)	✓
------------	---

Pro AV Profiles (Play, Dante, Q-SYS, NDI, SDVoE, Shure, AES67, Crestron)	✓
--	---

Power Method	(2) Universal input, 100—240V AC, 50/60 Hz, 50/60 Hz
--------------	--

Power Input Method	(2) AC input, Hot-swappable power modules
--------------------	---

Power Supply	(2) Hot-swappable AC/DC 600W power modules
--------------	--

Supported Voltage Range	100—240V AC
-------------------------	-------------

Management	Ethernet AR
------------	----------------

Heat Dissipation	444 BTU/hr (Excluding PoE Output)
------------------	-----------------------------------

Weight	Without mounting brackets: 9.46 kg (20.9 lb) With mounting brackets: 9.56 kg (21.1 lb)
--------	---

Enclosure 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: ± 30kV, contact: ± 30kV
----------------	------------------------------

Ambient Operating Temperature	-5 to 40° C (23 to 104° F)
-------------------------------	----------------------------

Ambient Operating Humidity	10 to 90% noncondensing
----------------------------	-------------------------

Etherlighting™	
----------------	--

Ethernet	✓
----------	---

SFP28	✓
-------	---

LEDs	
------	--

Ethernet	✓
----------	---

System	✓
--------	---

NDAA Compliant	✓
----------------	---

Certifications	CE, FCC, IC, Anatel: 06181-25-08356
----------------	-------------------------------------

Software

Application Requirements	
UniFi Network	Version 9.0.114 and later