

ECS1100-5P/10HP/28HP

L2 Smart Switch with 802.3af/at/bt PoE



Product Highlights

- 0°C to 50°C
- PoE extend-mode
- 6KV surge protection
- IGMP Snooping v1/v2
- 802.3af/at/bt PoE
- Access/Trunk VLAN
- PoE timer/priority
- Fanless (ECS1100-5P)
- PD alive detection
- CE/FCC: LVD/VCCI/BSMI/UKCA
- PoE range from 120 W to 480 W
- Web/ecCLOUD management

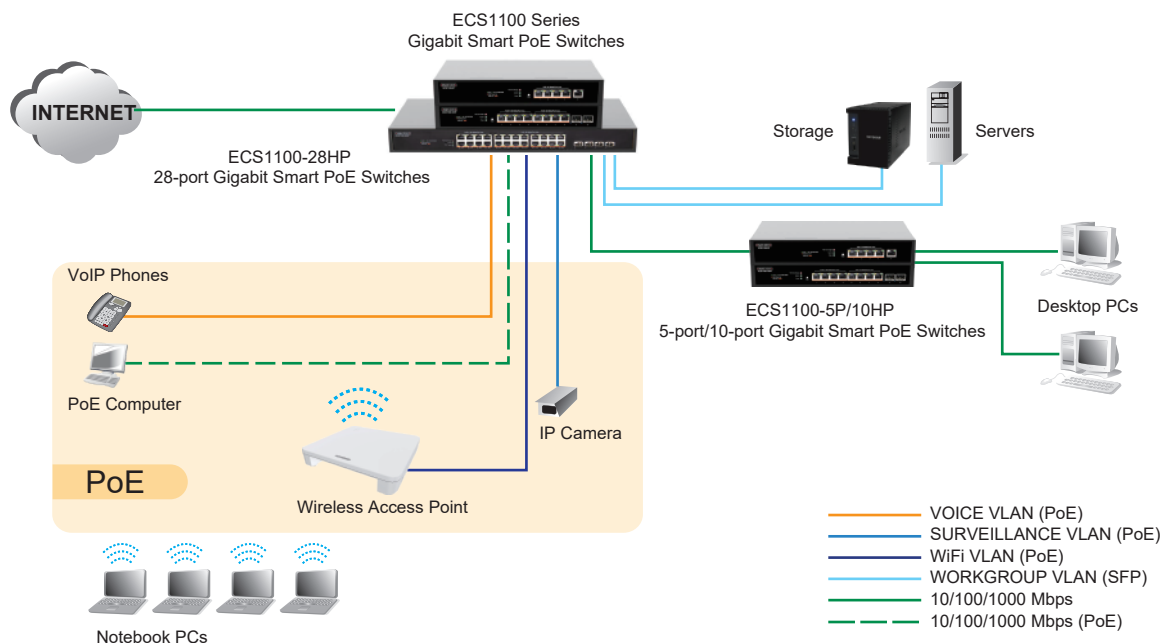
Product Overview




The ECS1100 Series is Edgecore's latest generation of cost-effective smart switches. The ECS1100 Series is designed for SMB and enterprise markets with complete solutions from 5 to 28 ports, including 802.3af/at/bt PoE options. The switches comply with the IEEE 802.3az Energy Efficient Ethernet standard and support IPv4 management features.

The ECS1100-5P is a fanless design PoE switch that supports up to 4 ports at 30 W to meet the increasing power demands of users. The ECS1100 Series offers complete PoE solutions from 120 W to 480 W. All the switches are rack mountable.

The ECS1100-10HP/28HP support 802.3bt PoE Type4 with Power Class 8, which means its maximum power from PSE to PD is up to 90 W. The ECS1100-10HP/28HP also delivers a default 250/480 W of PoE power to support future IP cameras, IP video telephones, access points, and PoE computers.

Network Application



Product Model		ECS1100-5P	ECS1100-10HP	ECS1100-28HP
Product Image				
Port	RJ-45 10/100/1000 Ports	5	8	24
	100/1000 SFP Ports	0	2	4
Performance	Switching Capacity	10 Gbps	20 Gbps	56 Gbps
	Forwarding Rate	7.44 Mpps	14.9 Mpps	41.7 Mpps
	Flash Memory	8 MB	8 MB	8 MB
	SRAM (Built-In)	256 KB	256 KB	256 KB
	Packet Buffer Size	4 Mbits	4 Mbits	4 Mbits
	MAC Address Table Size	8 K	8 K	8 K
	Jumbo Frames	15 KB	15 KB	15 KB
	Auto-negotiation, Auto-MDI/MDIX	Yes	Yes	Yes
	Surge Protection	6KV (RJ-45), 6KV (Power)	6KV (RJ-45), 6KV (Power)	6KV (RJ-45), 6KV (Power)
	MTBF	≥ 200,000 hrs	≥ 200,000 hrs	≥ 200,000 hrs
	Heat Dissipation	477.7	921.2	1910.7
	Acoustic Noise	0	< 50 dB (A)	< 50 dB (A)
	PoE	PoE Ports	4	8
PoE++ based on IEEE 802.3bt (up to 90 W)		No	Yes	Yes
PoE+ based on IEEE 802.3at/802.3af		Yes	Yes	Yes
Auto Disable after Exceeding Power Budget		Yes	Yes	Yes
Dynamic Power Allocation		Yes	Yes	Yes
PoE Power Budget		120 W	250 W	480 W
Mechanical	Dimension (W x D x H)	294 x 180 x 44 mm	294 x 180 x 44 mm	440 x 260 x 44 mm
	Weight	1.44 kg (3.17 lb)	1.56 kg (3.44 lb)	3.54 kg (7.80 lb)
Power Supply	100-240 VAC, 50-60 Hz	Yes	Yes	Yes
	Max System Power Consumption (Watts)	140 W	270 W	560 W
Environmental	Operating Temperature	0 – 50°C	0 – 50°C	0 – 50°C
	Storage Temperature	-40 – 70°C	-40 – 70°C	-40 – 70°C
	Operating Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%
	Storage Temperature (non-condensing)	10% to 90%	10% to 90%	10% to 90%
	WEEE	Yes	Yes	Yes
	RoHS	Yes	Yes	Yes
Certification	FCC Class A	Yes	Yes	Yes
	CE	Yes	Yes	Yes
	Safety Compliance: LVD	Yes	Yes	Yes
	VCCI/BSMI	Yes	Yes	Yes
	UKCA	Yes	Yes	Yes
ecCLOUD Management		Supported	Supported	Supported

Ports

- RJ-45 Port Support:
 - 10BASE-T (IEEE 802.3)
 - 100BASE-TX (IEEE 802.3u)
 - 1000BASE-T (IEEE 802.3ab)
- SFP Port Support:
 - IEEE 802.3u (100BASE-FX) transceivers
 - IEEE 802.3z (1000BASE-SX/LX/LHX/ZX) transceivers
- Digital Diagnostic Monitoring (DDM) on 1G SFP port
- Auto MDI/MDI-X
- Auto-negotiation for port speed and duplex mode

L2 Features

- LACP
- NTP
- DHCP Client
- Flow Control:
 - IEEE 802.3x for full-duplex mode
 - Back-Pressure for half-duplex mode
- VLANs:
 - VLAN Access
 - VLAN Trunk
- PoE
 - PoE timer
 - PoE Priority (by port no.)*
 - PD-Alive
 - PoE extend-mode
- Storm Control
 - Broadcast storm control
 - Multicast storm control
 - Unknown unicast storm control
- IGMP Snooping
 - IGMP v1/v2 Snooping
- IP management
 - Configuration import/export
 - Firmware upgrade
 - Restart
 - Reset to factory default
 - User name/password

QoS Features

- Rate Limiting (Ingress/Egress Port-Based)
- Priority Queues Schedule (Strict Priority/WRR)
- QoS mode (Port-based/802.1p/DSCP)

Power Supply

- Power input:
 - 100 to 240 VAC, 50/60 Hz

*PoE priority level on <port-list>. For a given level, ports are prioritized by port number in ascending order. For example, if ports #1-#24 have a priority level of critical, port #1 has priority over ports #2-#24.

Electromagnetic Compatibility

- CE Mark
- FCC Class A
- BSMI
- VCCI
- UKCA

Safety

- LVD:
 - EN 62368-1
 - EN IEC 62368-1

Environmental Specifications

- Temperature:
 - 0°C to 50°C (Standard Operating)
 - 40°C to 70°C (Non-Operating)
- Humidity: 10% to 90% (Non-condensing)

Warranty

Please check www.edge-core.com for the warranty terms in your country.

For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit www.edge-core.com.

About Edgecore Networks Corporation

Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at www.edge-core.com.

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore data center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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Ordering Information

Optional Accessories	Product Description
ET4202-SX	1Gbps, (Distance: 500 m; Wavelength: 850 nm, DDM)
ET4202-LX	1Gbps, (Distance: 10 km; Wavelength: 1310 nm, DDM)
ET4202-EX	1Gbps, (Distance: 40 km; Wavelength: 1310 nm, DDM)
ET4202-ZX	1Gbps, (Distance: 80 km; Wavelength: 1550 nm, DDM)
ET4202-RJ45	1Gbps, (Distance: 100 m)