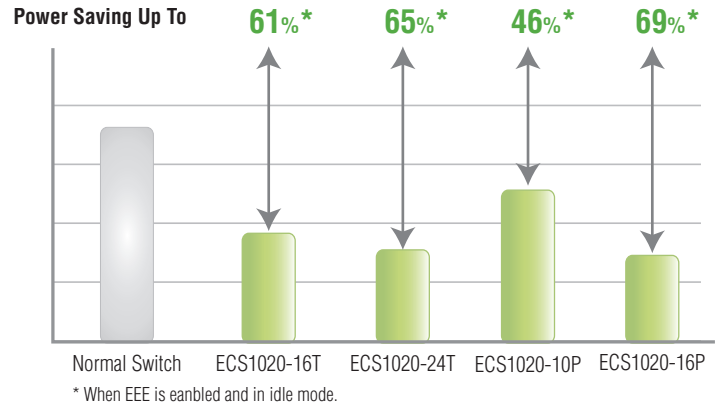


ECS1020 Series Gigabit Unmanaged Switches



Product Overview

The ECS1020 Series is Edgecore's new unmanaged switch series. The ECS1020-16T/24 is with 16/24-port 10/100/1000BASE-T ports, ECS1020-10P is 9-port 10/100/1000-Base-T + 1-port SFP with 8 PoE port. ECS1020-16P is 16-port 10/100/1000-Base-T with 16 PoE port.

These switches provide Gigabit Ethernet connectivity from the network backbone all the way to the edge and to individual desktops. With up to 10 times the speed of 100 Mbps networks, these switches reduce transfer times of large data files and boost bandwidth-intensive applications, thereby significantly enhancing overall network performance. Jumbo frame support enables more efficient data transfers with data packets up to 9 K bytes in size. The switches are easy to install and an ideal solution for network migration with their 10/100/1000 Mbps Auto MDI/MDIX ports. Not only are ports triple-speed, all ports can be either connected to a workstation or another switch, without the need for crossover cables. Supporting non-blocking wire-speed throughput, the switches are built to handle the growing performance needs of bandwidth-hungry applications in today's networks.

Key Features and Benefits

IEEE 802.3az Energy-Efficient Ethernet Support

When two 802.3az-complaint switches are connected, power consumption in ECS1020-16T/24T/10P/16P could be saved up to 61%, 65%, 46%, and 69%.

Support for Jumbo Packets

Support for Jumbo packets of up to 9 K bytes in size.

Auto MDI/MDI-X on Each Port

Support for Auto-MDIX means that no crossover cables are required. Straight-through cables can be used for all connections.

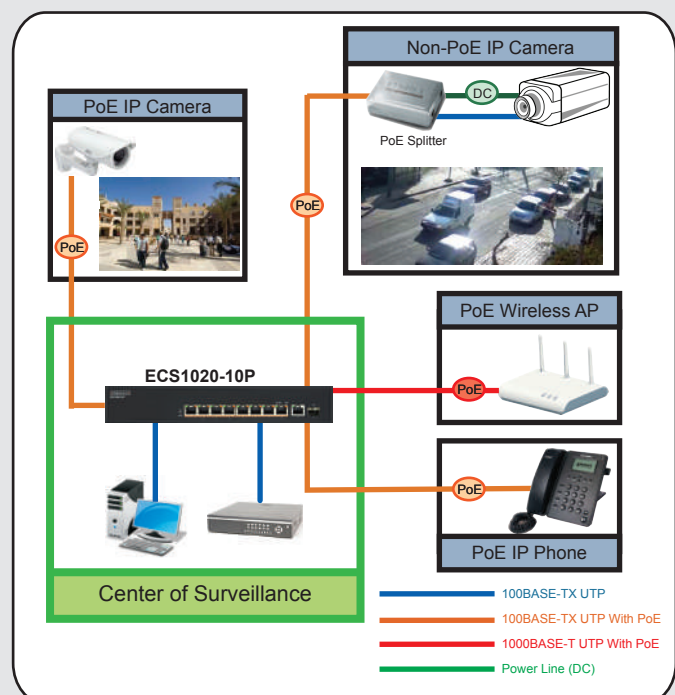
Support VLAN mode (ECS1020-16T only)

- No VLAN: Dumb Switch Mode
- VLAN: 16 port can communicate with 1~15 port directly, 1~15 port can't communicate for each other, 16 port uplink, 1~16 port 10/100/1000 Mbps Auto-Negotiation (100 M)
- VLAN (Monitor): 16 port can communicate with 1~15 port directly, 1~15 port can't communicate for each other, 16 port uplink, 1~15 ports fixed 10 Mbps rate, 16 port 10/100/1000 Mbps Auto-Negotiation (250 M)

PoE features





The ECS1020-10P/16P can support 802.3af/at power to attached devices, such as VoIP phones, wireless access points, surveillance cameras etc, all over existing Cat. 5 cables. The Total POE power budget in ECS1020-10P/16P could support up to 140/300 watt.

Network Application



Gigabit Unmanaged Switches

Features

Product Model		ECS1020-16T	ECS1020-24T	ECS1020-10P	ECS1020-16P
Product Image					
Port	RJ-45 10/100/1000 Ports	16	24	9	16
	SFP Uplink Ports	X	X	1 (1G/100M)	X
	PoE Ports	X	X	8	16
Performance	Switching Capacity	32 Gbps	48 Gbps	20 Gbps	32 Gbps
	Forwarding Rate	23.8 Mpps	35.7 Mpps	14.9 Mpps	23.8 Mpps
	Packet Buffer	2 Mbit	4.1 Mbit	1.5 Mbits	2 Mbit
	MAC Address Table	8 K	8 K	4 K	8 K
	Jumbo Frames	9 K	9 K	9 K	9 K
	MTBF	TBD	TBD	TBD	TBD
	Heat Dissipation	7.5 (kcal/h)	13.7 (kcal/h)	18.2 (kcal/h)	42.6 (kcal/h)
	Acoustic Noise	0 dB (A)	0 dB (A)	49 dB (A)	51 dB (A)
Power Supply	100-240 VAC, 50-60 Hz	O	O	O	O
	Max System Power Consumption (Watts)	8.5 W	160 W	163 W	340 W
PoE	IEEE 802.3af/802.3at	X	X	O	O
	PoE Power Budget	X	X	140 W	300 W
Mechanical	Rack Space	13"	13"	13"	19"
	Form Factor	Rackmount	Rackmount	Rackmount	Rackmount
	Dimension (W x D x H)	280 x 180 x 44 mm (11.02 x 7.09 x 1.73 in.)	280 x 180 x 44 mm (11.02 x 7.09 x 1.73 in.)	280 x 180 x 44 mm (11.02 x 7.09 x 1.73 in.)	440 x 208 x 44 mm (17.4 x 8.19 x 1.73 in.)
	Weight	1.35 kg	1.45 kg	1.70 kg	2.70 kg
Environmental	Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C
	Storage Temperature	-40 ~ 70°C	-40 ~ 70°C	-40 ~ 70°C	-40 ~ 70°C
	Operating Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Storage Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	WEEE	O	O	O	O
	RoHS	O	O	O	O

Features

Safety

LVD

Electromagnetic Compatibility

CE Mark
FCC Class A
BSMI

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
ET4201-SX	1Gbps, Small Form Factor Pluggable (Distance: 500 m; Wavelength: 850 nm)
ET4201-LX	1Gbps, Small Form Factor Pluggable (Distance: 10 km; Wavelength: 1310 nm)
ET4201-LHX	1Gbps, Small Form Factor Pluggable (Distance: 40 km; Wavelength: 1310 nm)
ET4201-ZX	1Gbps, Small Form Factor Pluggable (Distance: 80 km; Wavelength: 1550 nm)