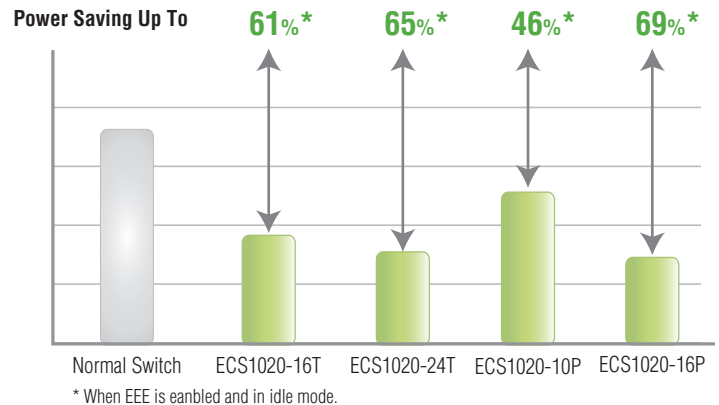


# ECS1020 Series Gigabit Unmanaged Switches



## Product Overview

The ECS1020 Series is Edgecore's new unmanaegd switch series. The ECS1020-16T and ECS1020-24T switches include 16 or 24 10/100/1000BASE-T ports, the ECS1020-10P has nine 10/100/1000BASE-T ports, eight of which support PoE, plus one SFP port, and the ECS1020-16P has 16 10/100/1000BASE-T PoE ports.

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 can save 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: Port 16 can communicate with ports 1-15 directly, ports 1-15 cannot communicate with each other, port 16 uplink, ports 1-16 10/100/1000 Mbps Auto-Negotiation (100 M)
- VLAN (Monitor): Port 16 can communicate with ports 1-15 directly, ports 1-15 cannot communicate with each other, port 16 uplink, ports 1-15 fixed 10 Mbps rate, port 16 10/100/1000 Mbps Auto-Negotiation (250 M)

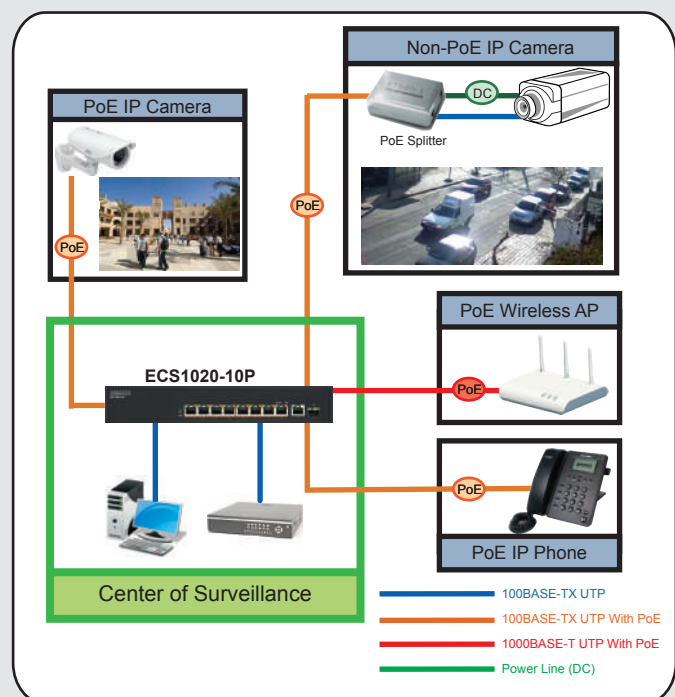
### Surge Protection

The ECS1020-16T/24T/10P/16P provides 4/4/6/6 KV surge protection on the RJ-45 ports, which protects the switch from power surges and lightening strikes.





## 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 for ECS1020-10P/16P supports up to 140/300 Watts.

## Network Application



## 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	463,567 hrs	273,562 hrs	201,035 hrs	218,897 hrs
	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)
	Surge Protection (RJ-45)	4KV	4KV	6KV	6KV
Power Supply	100-240 VAC, 50-60 Hz	O	O	O	O
	Max System Power Consumption (Watts)	8.5 W	16 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](http://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](http://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](http://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)