ES3002-4P-4T

8-Port Unmanaged Ethernet Switch with 4-Ports PoE-at Injector and 4-Ports non-PoE

Overview

"The IFS line of economy series (ES) Ethernet switches provide a balance between cost and performance. The ES3002-4P-4T is a Gigabit Ethernet (10/100/1000Mbps) switch combined with a built-in 4-Port PoE-at injector providing up to 30W per port with a total PoE power budget of 65 watt. The IFS ES3002-4P-4T is a cost-effective switch for smaller independent networks. These switches are designed to provide non-blocking wire-speed performance and easy plug-andplay installation for desktop deployment of IP cameras, IP intercom, wireless access points (WAP) and other Ethernet applications.   The IFS ES3002-4P-4T switch utilizes an internal power supply versus an external wall-mount transformer thus providing more reliable PoE performance and a higher total PoE power budget than other similar switches on the market." .

Power Saving Features

"In addition, the ES3002-4P-4T utilizes energy saving technology that reduces energy usage by up to 40% more than other standard comparable PoE switches on the market. The ES3002-4P-4T incorporates two advanced Green Networking technologies: • The Idle Mode Link Down Power Saving feature complies with IEEE 802.3az Energy Efficient Ethernet (EEE) standard to automatically lower power for a given port when it is not connected. • The Intelligent Power Scaling Technology actively determines the appropriate power level based on the cable length. These two green features can substantially reduce overall power consumption, which makes a significant contribution to energy savings." .

Details

- 8-ports 10 / 100 / 1000Mbps Ethernet (non-PoE)
- 4-ports PoE-at and 4-Ports non-PoE
- Up to 30 W per port (65W total budget) IEEE 802.3at Power over Ethernet End-Span PSE
- High Performance Switch Architecture
- Unmanaged plug-and-play installation requires no programming
- Store-and-Forward switching architecture with wire-speed filtering and forwarding rates
- Support to handle Jumbo Packets 9K Bytes
- 'Extend' mode allows distances of up to 200m (limited to 10BaseT compliant devices only) on ports 1 to 4 usning CAT5 cable
- Built-in power supply
- 0 to 50 ºC operating environment
- Fan-less design
- 3-year limited warranty

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Technical Specifications

Physical ports

No. of ports	8
Port type	10/100/1000
PoE/PoE+	4 port PoE+

Switch Performance

Throughput (Mpps)	11.9
Jumbo frame support	9 K
Switch fabric	16 Gbps
Mac table	4 K

Environmental

Operating temperature	0 to +50°C
Storage temperature	-40 to 70°C
Relative humidity	0 to 95% (non-condensing)
Environment	Indoor

Electrical

Power supply type	100 to 240 VAC
Power consumption	65W

Standards & regulation

Compliancy	CE

PoE

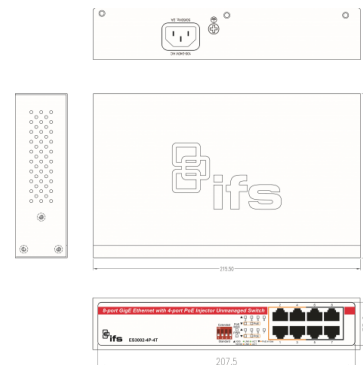|	
PoE Standard	IEEE 802.3at Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output Per Port	53 VDC, 600 mA . max. 30 W
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	60 W

LED Indicators

Power	Power On
Ports 1-8	LNK / ACT
Ports 1-4	PoE In-use, LNK / ACT
PoE Max	On when Max. PoE power is reached

Electrical & Mechanical

Supply Voltage	100 to 240 VAC, 50/60 Hz, 1.5 A
Power Consumption	65 W max./221 BTU max.
Enclosure	Metal
Dimensions (W x D x H)	215 x 133 x 42 mm
Weight	1.96 lbs. / 0.89kg

Standards Compliance

IEEE Standards	IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX	
IEEE 802.3ab Gigabit Ethernet	
IEEE 802.3x Flow Control and Back pressure	
IEEE 802.3-at PoE (30w)	
EIA/TIA-568 Standards 100-ohm UTP Cat. 5 or better (100meters, max.)	
Regulation FCC Part 15 Class A, CE	

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