



Model ESG500 5x 10/100/1000TX Ethernet Switch

Features

ESG500, 5 Port 1000TX Gigabit Ethernet Switch, was designed for rugged use, easy installation and high performance in industrial, commercial, and business environment. Equip your office, commercial premise with the power of gigabit network. ESG500 efficiently handles high bandwidth between multiple computers, servers, instruments, industrial controls, making file sharing and data transfer faster than ever. ESG500 is able to accommodate 1000Mbps of data transfer, and can interface with 10Mbps and 100Mbps networks.

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE-802, 3x Flow Control compliant
- Auto MDI/MDIX Auto-sensing between uplink or direct connections each port
- Plug and Play
- Support Full/Half duplex transfer mode for 10 and 100Mbps
- Support Full duplex transfer mode for 1000Mbps
- Full wire speed reception and transmission
- Supports Auto-Negotiation for 10/100/ 1000Mbps and duplex mode
- Five 1000Tx Gigabit Ethernet ports

- Full wire speed reception and transmission
- Store-and-Forward switching method
- Supports 4K absolute MAC addresses
- Supports 3.5Mbit RAM for data buffering
- Extensive diagnostic LEDs
- Back pressure flow control for half-duplex
- Compact size
- Rugged construction
- Jumbo frame support (9.6Kbytes)

ESG500 Specifications

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x Flow Control
Protocol	CSMA/CD
Connectors	5 auto-negotiation 10/100/1000Mbps RJ-45 switching ports
Cable Requirements	Ethernet: 2-pair UTP Cat.3, 4, 5, up to 328ft/100m Fast Ethernet: 2-pair UTP Cat.5, up to 328ft/100m Gigabit Ethernet: 4-pair UTP Cat.5 plus, up to 328ft/100m
Forwarding Method	Store and forward
Data Transfer Rate	Full/Half duplex transfer mode for 10/100Mbps Full duplex transfer mode for 1000Mbps
MAC Address	4K
MAC Address Learning	Self Learning, Auto Aging
Buffer Memory	256KB Per Device
Filtering & Address Table	8K entries per device
Packet Filtering/Forwarding Rate	Full Wire Speed
Diagnostic LEDs	Per Unit: Power Per Port: Speed (1000Mbps) & Link/Activity
Dimensions	82 x 64 x 24mm (L x W x H). Total width with wings: 93.5mm
Power Adapter	12Vdc @ 1A
Power Consumption	6 W Maximum
Temperature	Operating: 0 to 40 degrees Celsius. Storage: -10 to 70 degree Celsius.
Humidity	5 to 95% RH, Non-condensing
EMI & Safety	FCC Class A, CE