ESG6T2F
6x 10/100/1000TX + 2x 1000FX   LAN Switch

Features

- **8x Port GigE LAN Switch.**
- **6x Auto-Negotiating 10/100/1000TX Ethernet Ports.**
- **2x 1000FX Ports, Multi-mode or Single-mode.**
- **Half duplex/full duplex on all copper ports.**
- **IEEE 802.3X Flow Control for full duplex operation**
- **Wire speed Layer 2 switching performance.**
- **Full wire speed store and forward.**
- **Energy efficient design.**
- **Auto MDI/MDIX on copper ports.**
- **Error packets eliminated by data filtering at full wire speed.**
- **Automatic MAC source address learning and auto aging.**
- **Non-blocking switching architecture to forward and filter packets at full wire speed for maximum throughput.**
- **Rack mountable, Plug and Play.**
- **18 Gbps switching capacity.**
- **Capable of processing jumbo packets for large data transfer.**
- **Designed & manufactured in the USA.**

Overview

This 8 Port GigE switch features combination of auto negotiating 10/100/1000TX and 1000BaseFX fiber ports. The 10/100/1000TX ports are ideal for interfacing with legacy 10 Mbps work groups or upgrading a 10 Mbps network to 100 Mbps or 1000 Mbps network on a cost effective as needed basis.

The fiber ports allow you to introduce up to 0.55 km to 50km segments that are completely free of EMI/RFI interference, grounding problems and voltage spikes plus the cable is immune to electronic eavesdropping.

All this makes these extremely flexible switches well suited for building campus type networks. The aggressive price of the model ESG6T2F make it necessary to seriously consider this switch for your next project, whether it is commercial, industrial or petro chemical. Energy efficient design to automatically adjust power input based on link status and cable length.

Description

Each RJ45 port can operate without regard to the other ports at 10 or 100 or 1000 Megabits per second (Mbps) and 20 or 200 or 2000 Mbps in full duplex mode. Since this product is a switch, not a hub, bandwidth is not shared amongst the ports, the switch ports are capable of operating at full band width. The auto-negotiation feature, allows the switches to recognize the speed of the network node that it is connected to, and self configure itself, to that speed. All ports support multiple MAC addresses, with a total of greater than 8K for all eight ports.

Technical Specifications

Network Standards	Ethernet IEEE 802.3, 802.3u, 802.3x, 802.3z
Speed	10/100/1000TX Mbps Half duplex/full duplex with auto negotiation on 10/100/1000TX ports
100BaseFX Multimode	Wavelength: 850 nm Optical Output Power: Min. -9 dBm Max. -3 dBm Optical Input Power: Min. 0 dBm Max. -3 dBm Specification distance: 0.55 km. SC or ST
100BaseFX Single mode	Wavelength: 1310 nm Optical Output Power: Min. -8 dBm Max. -3 dBm Optical Input Power: Min. -22dBm Max. -20 dBm Specification distance: 20 km SC Connector only
Power Requirements	Input Voltage: 90- 270 Vac
LEDs	Total 19: 1 for POWER. 2 for each 10/100/1000TX port displaying 1000TX & LINK/ACTIVITY. 3 each for fiber ports: ACTIVITY, LINK & 1000FX
Weight	4.5 lb (2 kg), 6.5 lb (3 kg) inclusive packaging.
Dimensions	9.5" x 8.75" x 1.75" (24.13 cm x 22.23 cm x 4.45 cm)
Environmental	Operating Temperature: 32 to 122F (0 to 50 C) Storage Temperature: -4 to 140F (-20 to 60 C) Relative Humidity: 5% to 95% (non-condensing)
Connectors	10/100/1000TX: Fully Shielded RJ45 connectors with built in LEDs Fiber: SC or ST Fiber Connectors IEC Power Connector
Switches	Reset
Cabling	UTP Category 5e or 6 maximum cable distance 100 meters Fiber maximum cable distance 500 m multi mode
EMI & Safety	EMI FCC Class A & CE
Warranty	5 years

Ordering Information, Ordering Hotline & Technical Support

TEL: (510) 440 - 0242
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Part Number	Description
ESG6T2F-SC	6 10/100 RJ45s & 2 SC Fiber Ports
ESG6T2F-ST	6 10/100 RJ45s & 2 ST Fiber Ports
ESG6T2F-SM-20	6 10/100 RJ45s & 2 SC single mode Fiber Ports 20 km
ESG6T2F-SM/MM	6 10/100 RJ45s, 1 SC single mode 1 SC multi mode Fiber Ports

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