![EtherCom logo] *"Your Connectivity Connection"*

ES6T2F
6x 10/100TX + 2x 100FX Ports
8 Port LAN Switch

Features

- **8x Port LAN Switch.**
- **6x Auto-Negotiating, MDI/MDIX 10/100TX Ethernet Ports.**
- **2x 100FX Ports, Multi-mode or Single-mode.**
- **Half duplex/full duplex on all ports.**
- **IEEE 802.3X Flow Control for full duplex operation.**
- **Optional backpressure flow control support for half duplex operation**
- **Wire speed Layer 2 switching performance.**
- **Store and forward, filter at full wire speed.**
- **Automatic source MAC addresses learning and aging.**
- **8K MAC addresses.**
- **Plug & Play**
- **Designed & manufactured in the USA.**

Overview

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

The fiber ports allow you to introduce up to 50 km 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 ES6T2F make it necessary to seriously consider this switch for your next project, whether it is commercial, industrial or petro chemical.

Description

Each RJ45 port can operate without regard to the other ports at 10 or 100 Megabits per second (Mbps) and 20 or 200 Mbps in full duplex mode. Since this product is a switch, not a hub, bandwidth is not sheared amongst the ports, 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 8 K for all eight ports.

Technical Specifications

Network Standards	Ethernet IEEE 802.3, 802.3u, 802.3x
Speed	10 & 100 Mbits/sec. Half duplex/full duplex with auto negotiation on 10/100TX ports
100BaseFX Multimode	Wavelength: 1310 nm Optical Output Power: Min. -19dBm Max. -14 dBm Optical Input Power: Min. -30dBm Max. -14 dBm Specification distance: 2 km (1.2 miles) SC or ST Connector
100BaseFX Single mode	Wavelength: 1310 nm Optical Output Power: Min. -15dBm Max. -8 dBm Optical Input Power: Min. -34dBm Max. -8 dBm Specification distance: 50 km SC Connector only
Power Requirements	Input Voltage: 90 to 270 Volts AC
LEDs	Total 19: 1 for power & 2 for each 10/100 port displaying Link/Activity & 100TX, For each Fiber Port, Full Duplex, 100FX and Link/Activity.
Weight	4.5 lbs. (2.kg), 6.5 lb (3kg) 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 90% (non-condensing)
Connectors	10/100: Fully Shielded RJ45 connectors with built in LEDs Fiber: SC or ST Fiber Connectors IEC Power Connector
Switches	Full/half Duplex: For each Fiber Connector. RESET switch.
Cabling	UTP Category 5 *maximum cable distance* 100 meters Fiber *maximum cable distance* 2 Km. multi mode and 50 Km single mode
Regulatory and Safety Approvals	EMI FCC Class A & CE
Warranty	5 years

Ordering Information, Ordering Hotline & Technical Support

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Part Number	Description
ES6T2F-SC	6 10/100 RJ45s & 2 SC Fiber Ports
ES6T2F-ST	6 10/100 RJ45s & 2 ST Fiber Ports
ES6T2F-SM	6 10/100 RJ45s & 2 SC single mode Fiber Ports
ES6T2F-SM/MM	6 10/100 RJ45s, 1 SC single mode 1 SC multi mode Fiber Ports