FIBERTRONICS

ESW-628 Series
Fast Ethernet Switch
8*10/100Base-Tx to 2*100Base-Fx

RoHS Compliant

CE   FC

>>Description

The ESW-628 series is among Fibertronics, Inc.'s answers to expanding existing Fast Ethernet networks. The easy implementation and expansion of 100Base-TX/FX networks can be further assured with this converter.

The switch is completely transparent when connected so the network performs exactly the way it did before only now, it allows the co-existence of both copper and fiber mediums. Added flexibility is available with ST, SC and FC connectors. Extra distances are possible with the single mode version delivering up to 80km connectivity per transmitted segment.

>>Main Features

- Complies with IEEE802.3, IEEE802.3u standard

- Supports 802.3x flow control

- Provides 8-port 10/100M RJ45 and 2-port fiber ports

- Supports auto duplex(HDX/FDX) auto MDI/MDIX function

- Auto MDI/MDI-X support on RJ-45 port

- Support max forwarding packet length 1518 bytes

- Status LED for easy monitoring of device status

- Fanless design, Natural cooling

>>Specifications

Interface
- 8 x Ethernet port (RJ45) 10/100Base-Tx
- 2 x Optical port (1x9) 100Base-Fx

Optical Port
- Available for 1310/1490/1550nm Single mode, 1310nm Multi mode
- Transfer Distance: up to 120km
- Connectors: SC, ST and FC optional
- Fiber core: 9/125µm on single-mode fiber; 50/125µm and 62.5/125µm on multi-mode fiber

Ethernet Port
- Cable: Cat 5/5e/6 UTP cable
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps. Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

Standard
- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3x (Flow control)

Switch Properties
- MAC Table: 16K
- Bandwidth: 1G
- Switching Delay: <5µs

LED Indicators
- Power Status, FX Link/Act, TX Link/Act

Power Requirement
- Input: 5-12V DC

Physical Characteristics
- Housing: Metal enclosure
- Dimensions: 197 x 88 x 27mm
- Weight: 0.5kg

Environmental Limits
- Operating Temperature: -10°C to 70°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

Agency Approvals
- FCC Part 15 of Class A & CE approved

Warranty
- 3 years

>>Applications

The following illustrates typical applications for the ESW-628 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.