

## 10/100/1000Base-TX to 1000Base-FX Media Converter



### Overview

The Gigabit Ethernet Media Converters with external power supply are designed to transmit and receive 10/100/1000Mbps data over optical fiber. The electrical interface will Auto-Negotiate to a 100Mbps or 1000Mbps Ethernet rate without any adjustments. The optical interface operates at a 1000Mbps Ethernet rate. Both are environmentally hardened to operate in extreme temperatures. LED indicators are provided for confirming equipment operating status.

### Technical Parameter

Data:

- Data Interface: Ethernet
- Data Rate:10/100/1000Mbps
- IEEE802.3Compliant
- Full Duplex or Half Duplex Electrical

Electrical & Mechanical:

- Operating Voltage: AC100V~260V
- Power Dissipation: ≤5W
- Size:94mm(L)\*70mm(W)\*26mm(H)

Connectors:

- Optical: SC, Single fiber
- Power: Terminal Block
- Electrical: 1 RJ45

Led Indicators:

- Optical Link/Data Activity
- Electrical Link/Data Activity

Environmental Conditions:

- Operating Temp: 0°C to +70°C
- Storage Temp: -20°C to +80°C
- Relative Humidity: 0% ~ 90% (non-condensing)
- MTBF: >100,000 hours

### Applications

- Access Control Systems
- Building and Environmental Control Systems
- Tamper Switch
- 10/100/1000 Mbps Ethernet Media Converter
- High Speed Computer Links

10/100/1000Mbps auto-sensed, easily upgrade Full-duplex and half-duplex auto-sensed MD/MDI-X Auto Negotiation

10/100/1000Mbps store-and-forward  
1000Mbps cut-through transmission

Packet size up to 1518 bytes

Support 9K Jumbo Frame

Supporting VLAN / VoIP / QoS packets

Support flow control and reduce broadcast packets Supporting STP to form a redundant network Extremely low power consumption, low heat, stable performance Providing Desktop, Wall-mounted, Chassis, DIN-rail installation