

Gigabit Media Converter 10/100/1000 Mbps

V.3.4

Description

The 10/100/1000 Media Converter provides an intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and the newer 1000Base Gigabit Ethernet networks. The built-in 10/100/1000 converter enables the fibre cable connection to operate at 1000 Mbps connected to either a 10BaseT, 100BaseTX, or a 1000BaseT network, while remaining completely 1000BaseSX standard-compliant for the fiber optic connection. The fibre connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub.

Each Media Converter provides a 10/100/1000BaseT/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture. The Built-in switch does the network segmentation to provide the maximum fibre distance. Auto-MDIX capability on the twisted-pair port allows convenient connection.

Features

- ▶ Automatic identification of MDI/MDI-X cross line.
- ▶ 10/100/1000Mbps port with full/half duplex auto-negotiation
- ▶ Back pressure flow control for full duplex
- ▶ Converter mode with auto-change-forward (Switch) function.



Applications

- ▶ LAN
- ▶ FTTx
- ▶ Telecommunication networks

Technical Specification

- ▶ **Complies with:** IEEE802.3 10 Base-T standard
IEEE 802.3u 100Base-TX/FX standard
IEEE 802.3ab 1000BaseT
IEEE 802.3z 1000BaseSX/LX
- ▶ **Connector:** UTP RJ-45 connector, optical SC, FC,ST connector
- ▶ **Data Buffer:** 2 Megabyte
- ▶ **Wavelength(typical):** Multi-mode: 850nm (≤550m)
1310nm (≤2Km)
Single-mode: 1310nm up to 20Km
1550nm up to 60Km
- ▶ **Operation mode:** Full duplex mode or half duplex mode
- ▶ **Temperature:** 0 - 50°C (Operating); -45 - 80°C (Storage)
- ▶ **Humidity:** 5%-80% non-condensing (Operating); 10%-90% (Storage)
- ▶ **Power Supply:** External 1A,+5VDC
Internal 110~260VAC
- ▶ **Dimensions:** External power version 95mm x70mm x 26mm (LxWxH)
Internal power version 140mm x110mm x 30mm (LxWxH)
- ▶ **Power Consumption:** 2.5W
- ▶ **Compliance:** RoHS & REACH
FCC Part 15 Class B
CE EN55022: 1998+A1: 2000+A2: 2003
EN61000-3-2: 2000+A2: 2005
EN61000-3-3: 1995+A1: 2001
EN55024: 1998+A1: 2001+A2: 2003
- ▶ **MTBF:** 65,000 h (25°C)



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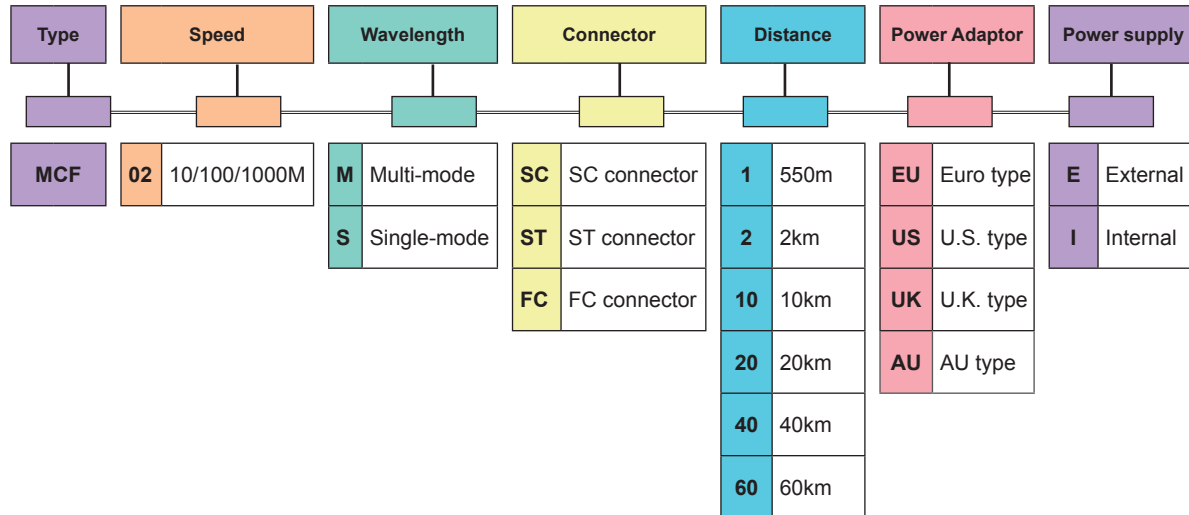


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Part Number Generator



Example Part Number



This part number generator has created an:
Single Mode Gigabit RJ45 - SC UK Power 1Gbs Media Converter 20km, External

