

MSS Gigabit Media Converter Product Details:

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 10/100/100 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 fibre 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 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.



Specifications:

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|-----------------------------|--|
| Complies With | IEEE802.3 10BASE-T Standard IEEE802.3u 100BASE-TX/FX Fast IEEE802.3ab 1000BaseT IEEE802.3z 1000BaseSX/LX |
| Connector | UTP RJ-45 connector, optical SC, ST, connector |
| Data Buffer | 2 Megabyte |
| Wavelength (typical) | Multi-mode 850nm (<550m) 1300nm(<2km) Single-mode: 1310nm up to 20km 1550nm up to 60km |
| Temperature | 0° to 50°C (Operating), -45° to 80°C (Storage) |
| Humidity | 5%- 80% non-condensing (Operating); 10%-90% (Storage) |
| Power Supply | External 1A, +5VDC |
| Dimensions | External power version 95L x 70W x 26Hmm |
| Power Consumption | 2.5W |
| Compliance | RoHS & REACH FCC Part 15 Class B CE En55022: 1998+A1: 200+A2:2003 EN61000-3-2: 2000+A2:2005 EN61000-3-3: 1995+A1:2001 EN55024: 1998+A1:2001+A2: 2003 |

Features:

- Automatic identification of MDI/MDI-X cross line
- 10/100/100MBPS 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

Ordering Information:

| Product Code | Description |
|-----------------------|---|
| FC-1000MLC-550 | 1000Base-TX to 1000Base-SX Multimode LC Fibre Converter (550m) |
| FC-1000MSC-550 | 1000Base-TX to 1000Base-SX Multimode SC Fibre Converter (550m) |
| FC-1000MLC | 1000Base-TX to 1000Base-LX Multimode LC Fibre Converter (2km) |
| FC-1000MSC | 1000Base-TX to 1000Base-LX Multimode SC Fibre Converter (2km) |
| FC-1000MST | 1000Base-TX to 1000Base-LX Multimode ST Fibre Converter (2km) |
| FC-1000S20 | 1000Base-TX to 1000Base-FX Singlemode SC Fibre Converter (20km) |

Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.