

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 10/100/1000 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 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:

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.