

### 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:

<b>Complies With</b>	IEEE802.3 10BASE-T Standard IEEE802.3u 100BASE-TX/FX Fast IEEE802.3ab 1000BaseT IEEE802.3z 1000BaseSX/LX
<b>Connector</b>	UTP RJ-45 connector, optical SC, ST, connector
<b>Data Buffer</b>	2 Megabyte
<b>Wavelength (typical)</b>	Multi-mode 850nm (<550m) 1310nm (<2km) Single-mode: 1310nm up to 20km 1550nm up to 60km
<b>Temperature</b>	0° to 50° C (Operating), -45° to 80° C (Storage)
<b>Humidity</b>	5%- 80% non-condensing (Operating); 10%-90% (Storage)
<b>Power Supply</b>	External 1A, +5VDC
<b>Dimensions</b>	External power version 95L x 70W x 26Hmm
<b>Power Consumption</b>	2.5W
<b>Compliance</b>	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
<b>FC-1000MLC-550</b>	1000Base-TX to 1000Base-SX Multimode LC Fibre Converter (550m)
<b>FC-1000MSC-550</b>	1000Base-TX to 1000Base-SX Multimode SC Fibre Converter (550m)
<b>FC-1000MLC</b>	1000Base-TX to 1000Base-LX Multimode LC Fibre Converter (2km)
<b>FC-1000MSC</b>	1000Base-TX to 1000Base-LX Multimode SC Fibre Converter (2km)
<b>FC-1000MST</b>	1000Base-TX to 1000Base-LX Multimode ST Fibre Converter (2km)
<b>FC-1000S20</b>	1000Base-TX to 1000Base-FX Singlemode SC Fibre Converter (20km)

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