

Advance 10/100/1000Mbps Singlemode 20km SC Media Converter

Installation

The Advance media converter is a plug-and-play device that requires no user configuration to enable operation.

To connect a device:

1. Plug in a copper network connection into the **RJ45** port using Cat5 or better cabling. Maximum cable length must not exceed 100m.
2. Plug in a fibre optic network connection into the **Fiber** port using OS1 (9/125) or better singlemode cabling using duplex SC UPC connectors. Overall cable length must not exceed 20km on OS1 or better.
3. Plug in the supplied mains power adaptor in the rear of the **5V DC** port and plug into a mains power supply.
4. The media converter auto detects the copper network interface speed automatically and forwards to the fibre port.

Troubleshooting

There is no power being delivered to the media converter.

- > Ensure the converter is plugged into a suitable 240V mains supply.

There is no network connection.

- > Ensure the patch cable is inserted correctly into the **RJ45** port and to the host device.
- > Ensure the fibre cable is inserted correctly into the **Fiber** port and there is a crossover in the link (TX-RX, RX-TX)

Features

- > 10/100/1000M auto-negotiation RJ-45 port
- > Gigabit 1310nm singlemode fibre port

Specifications

Input Voltage	110-265VAC	Data Rate	10/100/1000Mbps
Output Voltage	5VDC 1A	Optical	1310nm, -23dBm optical budget
Network Standards	IEEE 802.3, 802.3u, 802.3z, 802.3ab	Operating Temp.	0°C - 50°C
Negotiation	Auto MDI/MDI-X	Storage Temp.	-10°C - 70°C
Processing	FDX Flow Control, HDX Back Pressure	Operating Humidity	5-90%
LED Indicators	100/1000M, Link/Activity (FX and T), Full Duplex, Power	Regulations	CE/FCC/RoHS
		Warranty	2 Year Limited



WARNING – NEVER LOOK DIRECTLY INTO AN ACTIVE FIBRE OPTIC PORT

