10/100Mbit/s Ethernet Media Converters

These very simple and easy-to-install Ethernet media converters are ideal for Ethernet over fibre extension in small office/home office (SOHO), branch, enterprise, Fibre-To-The-Business applications. With support for 10/100Mbit/s data rates, full/half duplex modes and Link Loss Forwarding, these compact high quality converters are ideal for professional and carrier grade applications.

These compact media converters enable 10/100Mbit/s Ethernet to be extended over optical fibre links to connect users or workgroups to remote access switches, routers and server and PC NIC cards.

Meeting all the relevant industry standards for 100Mbit/s Ethernet, installation is 'plug-and-play' and requires no technical knowledge.

Support for the industry standard fibre connectors simplifies installation into new and legacy cabling systems.

The standalone converters can also be 19" rack-mounted in an AC powered enclosure to simplify installation in communication rooms where large numbers of fibre circuits are being terminated.

Where higher data rates are needed, a range of Gigabit Ethernet media converters is also available in the same standalone or rack-mountable format.

Product Features

- 10Base-T, 100Base-T and the 100Base-FX compatibility
- Multimode ,singlemode fibre formats and singlemode WDM single fibre available
- Supports full or half-duplex auto-negotiation together with N-Way capability
- Auto-MDI/MDI-X
- Supports Link Loss Forwarding
- LED indicators for monitoring and diagnostics

See Also

10 Slot Chassis

10/100 Fast Ethernet Converter

Product Specifications

Standard	EEE802.3, IEEE802.3u Ethernet at 10/100Mbit/s
Data Rates	*10Mbit/s and 100Mbit/s auto-negotiation (option to force 100Mbit/s full duplex for legacy systems)*
Duplex mode	*Full or half-duplex auto-negotiation and N-Way support*
Max. forwarding rate	*14,880pps (10Mbit/s) or 148,800pps (100Mbit/s)*
Copper interface	*Shielded RJ-45 port with Auto MDI/MDI-X sensing*
Fibre connections	*Multimode SC, ST or MT-RJ and Singlemode SC or FC*
Fibre Types	*Multimode 50/125, 62.5/125 & Singlemode 9/125*
Fibre working range	*2km for multimode, 30/ 60km for singlemode Dual fibre* *20km for Singlemode WDM single fibre*
Mounting Methods	*Stand Alone or Rack Mount (using 10 slot Chassis)*
Optical wavelength	*1310nm (1550 available for WDM)*
Forwarding method	*Store-and-forward*
Flow control	*Back-pressure and flow control*
MAC table size	*1K entries, auto-ageing and learning*
Switch settings	•Auto-negotiation or fixed 100Mbit/s operation •Fibre link full or half duplex •Link loss forwarding •Switch / pure converter
Emissions	*Complies with FCC Class A and CE Class A.*
Safety	*CE, UL*
Power	0.7A at 9v DC using an external AC/DC power adapter
Dimensions	*118mm x 84mm x 25mm (L x W x H)*

Part Numbers

		x = Country/Region suffix code as specified below:-	
•10/100M Multimode SC Media Converter	0-1591024-x	-1	USA, CANADA
•10/100M Multimode ST Media Converter	0-1591026-x	-2	Europe
•10/100M Multimode MT-RJ Media Converter	0-1591028-x	-3	Switzerland
•10/100M Singlemode SC WDM 1550nm	0-1591029-x	-5	Denmark
•10/100M Singlemode SC Media Converter	0-1591030-x		
•10/100M Singlemode SC WDM 1310nm	0-1591031-x	-6	Australia /N Zealand
		-7	UK, Ireland, Singapore
		-8	India, South Africa

AMP NETCONNECT Regional Headquarters:

North America
Harrisburg, PA, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Latin America
Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Europe
Kessel-Lo, Belgium
Ph: +32-16-35-1011
Fx: +32-16-35-2188

Mid East & Africa
Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Asia
Hong Kong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific
Sydney, Australia
Ph: +61-2-9554-2600
Fx: +61-2-9554-2519