

### MEGANet Media Converter I Commercial

The MEGANet Media Converter is a high-performance commercial solution, providing 10/100/1000Mbps adaptive Gigabit Ethernet to SFP conversion. Designed to seamlessly bridge electrical and optical networks, it leverages advanced switching technology for smooth media conversion between twisted pair and fibre optic signals. This versatile converter extends network transmission from 100 meters over copper to significantly longer distances over fibre optic cable, delivering reliable, long-range connectivity

#### Features

- Commercial rated device
- 10/100/1000 Mbps Ethernet Port
- 1Gbps SFP Port
- Half/Full Duplex Auto-Negotiation
- Auto MDI/MDI-X – Auto cable detection
- Compatibility – Works with cards, hubs, switches, repeaters
- Media Options – Multimode dual, Single Mode dual/single fibre
- Temperature Range – -10°C to 55°C



#### Applications

- Infrastructure & enterprise networks
- Variable Distance – Fibre uplinks, scalable by SFP module
- Fibre Support – Multimode & Single Mode
- SFP Modules – For industrial & commercial use (commercial spec applies with commercial devices)

#### Standard Compliance

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3ab

#### Warranty

- 2-year limited warranty covering defects in materials or workmanship; excludes improper use, improper installation, natural disasters, and liability is limited to repair or replacement only

#### Technical Specifications

Description	Value
Power Supply	220V AC input   5V 1A output
Power Consumption	5W
Wavelengths Supported	850nm   1310nm   1550nm
Transmission Distance	SFP Dependant
Ports	1x 10/100/1000 Ethernet   1x 1Gbps SFP optical port
Bit Error Rate	<10 <sup>9</sup>
MTBF	100,000h
Working Temperature	-10°C to 55°C
Humidity	0% to 90% non-condensing
Dimensions (L x W x H)	71mm x 94mm x 26mm
Material	Metal
Colour	Black

#### Order Information

Product Code	Description
A-BT10-B00300	MEGANet Converter I Commercial I 1x 10/100/1000 Ethernet I 1x 1Gbps SFP Slot

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