TE Connectivity’s compact, cost-effective Fast Ethernet media converters are easy to install and ideal for Ethernet-over-fibre extensions in small or home office, branch, enterprise, fibre-to-business and fibre-to-home applications.

With support for 10/100 Mbps data rates and full/half duplex modes, these high quality media converters are ideal for professional and carrier grade applications. They enable 10/100 Mbps Ethernet to be extended over optical fibre links to connect users or workgroups to remote-access switches, routers and server NIC cards.

**PRODUCT HIGHLIGHTS**

- Meets all the relevant industry standards for 100 Mbps Ethernet
- Support for 10/100 Mbps data rates and full/half duplex modes
- Installation is “plug-and-play” and requires no technical knowledge – also simple to maintain
- Support for the current industry-standard fibre connectors
- Available in both multi-mode and singlemode fibre options
- Up to 12 units can be 19” rack-mounted in an AC-powered enclosure
- Fully compatible with 10Base-T, 100Base-T and 100Base-FX standards

**PRODUCT SPECIFICATIONS**

- **Standard**: IEEE802.3, IEEE802.3u
- **Ethernet**: @ 10/100 Mbps
- **Data rates**: 10 and 100 Mbps auto negotiation (option to force 10 Mbps for legacy systems)
- **Duplex mode**: Full or half-duplex auto-negotiation and N-Way support
- **Max. forwarding rate**: 14,880 packets per second (pps) @ 10 Mbps, 148,800 pps @ 100 Mbps
- **Copper interface**: Shielded RJ-45 port with Auto MDI/MDIX sensing
- **Fibre connector**: SC, ST or MT-RJ and singlemode SC
- **Fibre types**: Multimode 50/125μm, 62.5/125μm and singlemode 9/125μm
- **Fibre working range**: 2km for multimode, 15km for singlemode
- **Mounting methods**: Stand Alone or Rack Mount (using 10-slot chassis)
- **Optical wavelength**: 1310nm
- **Optical budget**: 12dB multimode, 13dB singlemode
- **Forwarding method**: Store-and-forward to separate the two collision domains
- **Flow control**: Back-pressure and forward control
- **MAC table**: size 4095 entries, auto aging and learning
- **Switch settings**: Auto negotiation or fixed 10 Mbps operation; Fibre link full or half duplex
- **LED diagnostic indicators**: Power; UTP link activity; UTP full or half duplex; Speed (10/100 Mbps); Fibre link activity; Fibre full or half duplex
- **Emissions**: Complies with FCC Class A and CE Class A
- **Safety**: CE, UL
- **Temperature range**: 0 - 45°C with humidity 10% to 90% non-condensing
- **Power supply**: 5v DC using an external AC/DC power adapter
- **Mounting methods**: Standalone or rack mountable in 19” enclosures
- **Dimensions**: 118mm x 84mm x 25mm
- **Operating temperature**: 0 – 45°C
- **Power consumption**: 4 Watts max.
MEDIA CONVERTERS

TE CONNECTIVITY FAST ETHERNET

FEATURES

- Supports full or half-duplex auto-negotiation together with N-Way capability
- Supports auto-polarity wiring correction on the RJ-45 UTP port
- Auto MDI/MDIX eliminates the need for RJ-45 crossover cables
- LED indicators for monitoring and diagnostics
- International safety and EMC approvals

ORDER CODES FOR THE PRODUCT

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<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>1591024-1</td>
<td>10/100 Mbps Multimode SC Media Converter</td>
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<tr>
<td>1591026-1</td>
<td>10/100 Mbps Multimode ST Media Converter</td>
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<tr>
<td>1591028-1</td>
<td>10/100 Mbps Multimode MT-RJ Media Converter</td>
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<tr>
<td>1591030-1</td>
<td>10/100 Mbps Singlemode SC Media Converter</td>
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