

## 100Mbps Media Converter

The Optronics 100Mbps Media converter is a 100Base-TX to 100Base-FX Ethernet Media Converter. It features one STP RJ-45 100Base-TX Port and one port to fibre optic cabling. UTP N-way auto-negotiation set UTP speed and full or half-duplex mode operation.



Full duplex cabling provides a bandwidth of up to 200Mbps and allows the transmission distance up to 2Km over multimode fibre and up to 75Km over Singlemode fibre.

The standard fibre interface is duplex SC connectors. The converters can be used as a stand-alone unit (wall mounted) or as a slide in module in the 19" Media conversion rack (up to 16 converters) for use at a central wiring closet.

### Specifications

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#### Standards

Compliant with IEEE802.3u 100 Base-TX and 100 Base-FX

#### Twisted Pair Connector

One port 100 Base-TX with RJ-45 Connector.  
Auto Negotiation for half -duplex and full duplex on TX port

#### Fibre Port Connector

One Port multi-mode fibre optic with SC, ST, LC, MT-RJ or LC connector or Single Mode fibre optic with SC connector.

Provides a slide switch for full and half-duplex selection on the FX Port.

#### Twisted Pair Cable

Cat.5 EIA/TIA 568 100 ohm STP cable, up to 100m

#### Fibre Optic Cable

50/125 or 62.5/125  $\mu$ m Multi Mode cable, up to 2Km

9/125 or 10/125 mm Single Mode cable up to 75Km

#### Data Transfer Rate

Fast Ethernet 100Mbps (Half-duplex), 200Mbps (Full-duplex)

#### Power Adaptor

7.5VDC/1.5A,  
Power consumption : 7.2 watts (max)

#### LED Indicators

Power/Link/Activity/Full-duplex

#### Humidity

Operating: 10% - 90% RH  
Storage: 5% - 90% RH

#### Dimensions

120(W) x 88(D) x 25(H) mm

#### Temperature

Operating: 0° ~ 40°C  
(32° ~ 104°F)

Storage -25° ~70°C  
(13° ~ 158°F)

#### Certifications

CE Mark Class A, FCC Part 15 Class A, VCCI-A

### Ordering Information

100Base-TX to 100Base-FX Multimode fibre with duplex SC Connector

MEDIACON100TX-FX

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