



## OPT-2020 Series Media Converter

1000Base-Fx to 1000Base-Fx  
RoHS Compliant



### >>Description

OPT-2020 is used to convert Single-mode fiber signal to BIDI mode equivalent that extends the long span fiber connections easily and inexpensively. Gigabit Ethernet supports long wave 1000Base-LX and WDM fiber network. This media converter can be installed as a standalone unit or as a slide-in module to the 19" converter rack (up to 14 units) for use at a central wiring closet.

### >>Main Features

- Complies with IEEE 802.3z
- Support 1000Base-SX/LX multi-mode to single-mode conversion
- Good for application to extend the network distance
- Extends distances ranging from 550m (multi-mode fiber) to 120km (single mode fiber)
- Standalone or composite applications
- Status LED for easy monitoring of device status
- External power supply

### >>Specifications

#### Interface

- 2 x Optical port (1x9) 1000Base-Fx

#### Optical Port

- Available for 1310nm and 1550nm Single mode, and 850nm Multi mode;
- Transfer Distance: up to 120km;
- Connectors: SC, ST, FC optional
- Fiber core: 9/125µm on single mode fiber, 50/125µm and 62.5/125µm on multi-mode fiber

#### LED Indicators

- Power Status, FX Link/Act

#### Power Requirement

- Input: 5V DC

#### Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 94 x 70 x 26mm (Excluding the connector)
- Weight: 0.3kg

#### Environmental Limits

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH
- Storage Humidity: 5% to 90% RH

#### Agency Approvals

- FCC Part 15 of Class A & CE approved

#### Warranty

- 3 years



## >>Ordering Information

OPT-2020MS	1.25G multi-mode to single-mode
OPT-2020SS	1.25G single-mode to single-mode
OPT-2020SA/B	1.25G single-mode to BIDI-mode

## >>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without notice.

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[sales@optone.net](mailto:sales@optone.net)  
<http://www.optone.net>