

# S3100 Series

## Stand-alone Fiber to Fiber Media Converter

SFP to SFP for Data Rates from 100Mbps to 2.5 Gbps



S3100-4040

This fiber to fiber converter is a protocol independent device that supports data rates from 100Mbps up to 2.5 Gbps. It provides reliable and cost-effective conversion between single mode and multimode fiber, while also providing wavelength conversion in CWDM applications. As an SFP based device, this any-rate to similar-rate converter offers great application flexibility. Supported protocols, fiber connectors, and transmission distances are determined by the SFP module used on the converter.

### Features

- Protocol Transparent
- Supports data rates from 100Mbps to 2.5Gbps
- Any-rate to similar-rate conversion
- SFP to SFP Fiber Repeater
- Specific wavelength CWDM Transponder
- Supported protocols: Fast Ethernet, Gigabit Ethernet, SONET (OC-3/12/48), 1 & 2 Gig Fiber Channel, 2.5G InfiniBand, FDDI, ESCON/SBCON
- Link Pass Through
- Automatic Link Restoration

### Specifications

Standards	Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
Data Rates	Protocol Independent 100Mbps to 2.5 Gbps
Max Frame Size	16384 bytes Jumbo Frames Supported
Status LEDs	PWR: ON (Green) = Power Port 1 Link: ON = Fiber Signal Detected Port 2 Link: ON = Fiber Signal Detected
Dimensions	Width: 3.25" [82 mm] Depth: 6.5" [165 mm] Height 1" [25 mm]
Power Consumption	2-3 Watts (based on the SFP modules used)
Power Supply	External AC/DC required: 12VDC Output; 120-240VAC input
Environment	Operating: 0°C to 50°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	Greater than 250,000 hours (MIL-HDBK-217F) Greater than 687,000 hours (Bellcore)
Compliance	FCC Class A, EN55022 Class A, EN55024, CE Mark
Warranty	Lifetime

### Ordering Information

#### S3100-4040

100Mbps to 2.5Gbps fiber repeater with two open SFP slots, any rate to same rate stand-alone media converter

Optional Accessories (sold separately)

#### SFP Modules

SFP and SFP+ modules supported

### Mounting Options

#### WMBL

Wall Mount Bracket 4" [102 mm]

#### WMBD

DIN Rail Bracket 5" [127 mm]

#### E-MCR-05

12-Slot Media Converter Rack

#### RMS19-SA4-01

4-Slot Media Converter Shelf

### Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: S3100-4040-NA

#### -NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil