MERIDIAN
T E C H N O L O G I E S

Optical Wavelength Converter with Small Form Pluggable (SFP) Optical Devices

MM Fiber INPUT
MM Fiber OUTPUT
SM Fiber INPUT
SM Fiber OUTPUT
WAVELENGTH CONVERTER

FEATURES:

- Available for use with either OS1, OS2, OM1, OM2, OM3, and OM4 fiber
- LC, SC Optical Connectors - SFP dependent
- Low Power Consumption
- High Efficiency, Isolated Power Supply
- Wall/Desk Module Design

Optical

Data Rate	SFP - dependent
Optical Input range	SFP - dependent

Indicators

Count	Color	Description
2	Green	Tx Laser driver Normal
2	Green	Rx Optical signal Present

Physical

Dimensions	117 mm (W), 61 mm (D) 25.5 mm (H) (4.6 x 2.4 x 1.1 inch) with flanges
Weight	~ 150 grams (0.34 lb)

Power

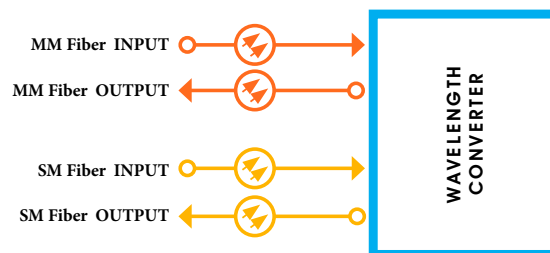|	MX-1x1-SFP	MX-1x1-SFP-DC
Input Power	12-24VAC / DC	5VDC
Power Consumption	2.0 W	1.8W
Power Supply ordering information	WP-24 Wall adapter (not included)	WP-5 Wall adapter (not included)

Environmental

Operating Temperature	-34°C to +74°C
Storage Temperature	-40°C to ~ +85°C
Relative Humidity	0 to 95% Non-condensing

DESCRIPTION:

This MX-1x1-SFP module is an Optical Wavelength/Fiber Converter with the ability to convert from two fiber multimode signals to two fiber single-mode signals and vise versa. This module also affords the ability to make a conversion between one and two fiber systems.

This product incorporates the industry standard Small Form Pluggable (SFP) optical modules. Various fiber types and wavelengths can be selected by simply plugging in the appropriate SFP module.

This unit is compatible with all Meridian products as well as many other fiber transmission products in the market.

Note: User can select Wavelength and Data Rate at the time of ordering. See the CX-1x1-SFP data sheet for the rack mount card version of this module.

CONFIGURATIONS:

The MX-1x1-SFP products are available in small stand-alone modules for easy mounting on walls, shelves and other flat surfaces.

MARKETS:

- √ Security and surveillance
- √ Fiber protection systems
- √ AV & Broadcast systems
- √ Access Control
- √ Video/Audio distribution & transport systems
- √ Intelligent transportation systems (ITS)

PART NUMBER DIAGRAM

MX – **1x1** – **SFP** – **DC**

| OPTICAL WAVELENGTH CONVERTER | SFP WAVELENGTHS | 5VDC INPUT POWER (OPTIONAL) |

SFP OPTIONS:

The SFP series products are available for both single-mode and multimode fiber applications and ether one or two fiber versions.

For more specifications on a SFP optical devices go to **SFP data sheet** or go to:

WWW.MERIDIAN-TECH.COM -> PRODUCTS -> ACCESSORIES -> SFP OPTICAL DEVICES

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