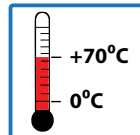


**HARDENED 2-PORT MEDIA CONVERTER - 2 CHANNELS,**  
**WITH 2x10/100/1000BASE-T(X) RJ45 PORTS AND 2x1000 SFP PORTS**

**MEDIA CONVERTER**

## FEATURES

- 10/100/1000Base-T Ethernet Auto-negotiation
- Full Duplex or Half-duplex Supported
- IEEE 802.3 Compliant
- NTCIP Compatible
- Far End Fault Function
- Link Fault Pass-through Function
- FC,ST Optical Connectors Standard, SC Optional
- Hot Swappable Rack Cards
- SFP Speed Detect
- Auto MDI/MDIX
- Jumbo Frames Support

## DESCRIPTION

The SX-2RE-SFP (single-slot rack cards) are Ethernet transceivers designed for bi-directional transmission of 2 channels of 10Base-T Ethernet / 100Base-T Fast Ethernet / 1000Base-T GigE Ethernet data over optical fiber using an SFP optical module (not included). Since the data rate is auto-negotiated, no internal adjustments or setting are necessary. Distances of 60km can be obtained using the appropriate SFP module. The SX-2RE-SFP are environmentally hardened and will operate over the standard NEMA TS-2 temperature range - suitable for outdoor installations. LEDs on the rack card indicate power, link speed, activity, laser current and optical signal. Standard shielded RJ-45 connectors are provided for CAT 5 compliance. The SX-2RE-SFP incorporating industry standard Small Form Pluggable (SFP) optical modules for exceptional product versatility and performance. The SX-2RE-SFP products are available as rack mount cards and modules that can be installed in either Meridian's desk chassis or in 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-500, SR-1000, 1 or 2 slot desk/wall mount chassis (87 VAC- 264VAC).

## SPECIFICATIONS

Physical Ports		Dimension (W x H x D)	20 (W) x 127 (H) x 160 (D) mm (0.8 x 5.0 x 6.3 inch)
10/100/1000Base-T(X) Port in RJ45 Auto MDI/MDIX	2	Weight (g)	450 g
1000Base-FX SFP port	2	Environmental	
Technology		Storage Temperature	-40° to 85°C (-40° to +185°F)
Ethernet Standards	IEEE 802.3 CSMA/CD IEEE 802.3i 10Base-T IEEE 802.3u 100Base-T IEEE 802.3ab 1000Base-T	Operating Temperature	-0° to +70°C ( +32° to +158°F)
Data Rate	10/100/1000 Mb/s	Operating Humidity	5% to 95% Non-condensing
Bit Error Rate	Better than 10 <sup>-9</sup>	Regulatory approvals	
Fiber Data Rate	1250 Mb/s	EMI	FCC Part 15, CISPR (EN55022) class A
LED indicators		EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Power On	1 - Green (normal) - when power is applied to the module	Shock	IEC60068-2-27
DIAG	1 - Card diagnostic (Green - OK, Red - alarm)	Free Fall	IEC60068-2-32
1 / LINK	1 - Copper connection established (Green)	Vibration	IEC60068-2-6
2 / ACT	1 - Copper port activity (Green)	Safety	EN60950-1
TX	1 - Optical carrier output (Green)	Warranty	
RX	1 - Optical carrier input (Green)	5 Years	
Power			
Power Consumption (Typ.)	4 Watts		
Overload Current Protection	Present		
Physical Characteristic			
Enclosure	Rack Card		

Ordering Information	
Description	<b>SX-2RE-SFP - Hardened 2-port Media Converter - 2 channels, with 2x10/100/1000Base-T(X) RJ45 ports and 2x1000 SFP ports</b>
SFP Options	<p>The SFP series products are available for both single-mode and multimode fiber applications and either one or two fiber versions. Recommended optical speed for this product is 1.25 Gb/s.</p> <p>For more specifications on a SFP optical devices go to <b>SFP data sheet</b> or go to:  <b>WWW.MERIDIAN-TECH.COM -&gt; PRODUCTS -&gt; ACCESSORIES -&gt; SFP OPTICAL DEVICES</b></p>

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