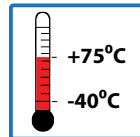
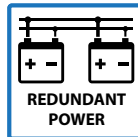


HARDENED 2 PORT MEDIA CONVERTER

1 PORT 10/100/1000TX (RJ45) + 1 PORT 1000 SFP + 4 PORT CWDM INTERFACE



MEDIA CONVERTER

FEATURES

- 10/100/1000 Base-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
- LC Optical Connectors Standard, SC Optional
- Built-in CWDM Interface for External Video, Audio, Data Signals Transmission
- Hot Swappable Rack Cards
- SFP Speed Detect
- Auto MDI/MDIX
- Jumbo Frames Support

DESCRIPTION

The SX-1RE1CW-x-SFP (single-slot rack cards) are Ethernet transceivers designed for bi-directional transmission of 10Base-T Ethernet / 100Base-T Fast Ethernet / 1000Base-T GigE Ethernet data over one singlemode fiber. Since the data rate is auto-negotiated, no internal adjustments or setting are necessary. Distances of 50km can be obtained using singlemode fiber. The SX-1RE1CW-x-SFP are environmentally hardened and will operate over the standard NEMA TS-2 temperature range - suitable for outdoor installations. LEDs on both the module and rack card indicate power, link speed, activity, laser current and optical signal. Standard shielded RJ-45 connectors are provided for CAT 5 compliance.

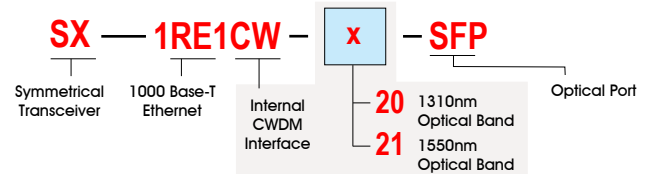
The SX-1RE1CW-x-SFP incorporating industry standard Small Form Pluggable (SFP) optical modules for exceptional product versatility and performance.

Built-in CWDM interface make it possible to connect any Meridian's card or module with SFP optic, to transmit Video, Data and Audio signals along with GigE Ethernet data.

The SX-1RE1CW-x-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		TX Link / ACT	Steady Green - link established on the cooper port Blinks Green - activity is detected on the cooper port OFF - fault is detected
10/100/1000 Base-T(X) Port in RJ45 Auto MDI/MDIX	1	Power	
1000Base-FX SFP port	1	Power Consumption (Typ.)	4 Watts
CWDM Interface	4	Overload Current Protection	Present
Technology GigE Ethernet		Physical Characteristic	
Ethernet Standards	IEEE 802.3 CSMA/CD IEEE 802.3i 10Base-T IEEE 802.3u 100Base-T IEEE 802.3ab 1000Base-T	Enclosure	Rack Card
Data Rate	10/100/1000 Mb/s	Dimension (W x D x H)	20 (W) x 127 (D) x 160 (H) mm (0.8 x 5.0 x 6.3 inch)
Bit Error Rate	Better than 10 ⁻⁹	Weight (g)	450 g
Fiber Data Rate	1250 Mb/s	Environmental	
CWDM Interface		Storage Temperature	-40 to 85°C (-40 to 185°F)
Insertion Loss	1.5 dB	Operating Temperature	-40 to 75°C (-40 to 167°F)
Isolation	> 20 dB	Operating Humidity	5% to 95% Non-condensing
Return Loss	> 30 dB	Regulatory approvals	
Wavelength (optic code 20)	1290/1310/1330/1350 nm	EMI	FCC Part 15, CISPR (EN55022) class A
Wavelength (optic code 21)	1510/1530/1550/1570 nm	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
LED indicators		Shock	IEC60068-2-27
Power On	1- Green	Free Fall	IEC60068-2-32
FX Link/ACT	Steady Green - link established on the fiber port Blinks Green - activity is detected on the fiber port OFF - fault is detected	Vibration	IEC60068-2-6
		Safety	EN60950-1
		Warranty	
		5 Years	



Ordering Information	
Description	SX-1RE1CW-x-SFP - 10/100/1000 Media converter w/Built-in CWDM INTERFACE, 1 PORT 10/100/1000TX (RJ45) + 1 PORT 1000 SFP + 1 PORT CWDM INTERFACE
SFP Options	Refer to Optical SFP Data Sheet for complete part numbers and ordering information or go to: WWW.MERIDIAN-TECH.COM -> PRODUCTS -> ACCESSORIES -> SFP OPTICAL DEVICES Recommended optical speed for this product is 1.25 Gb/s.

Packing List	
SX-1RE1CW-x-SFP	1
Quick Installation Guide	1