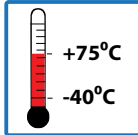


**HARDENED 2-PORT MANAGED GIGABIT ETHERNET SWITCH WITH
1x10/100/1000TX RJ45 PORT + 1x1000FX SFP PORT****MANAGED ETHERNET SWITCH****FEATURES**

- Supports 1 port 100/1000Base-T(X) auto-MDI/MDI-X
- Supports POE - PSE
- Supports IEEE802.3af-2003 and IEEE802.3at-2009
- Supports STP, RSTP, IEEE802.1Q VLAN
- Supports port speed limit, multicast storm control
- Supports Ethernet to SFP port signal conversion
- Ethernet port supports full/half duplex operation
- Support WEB interface configuration and command line configuration
- Fanless green design with low power consumption
- EMC performance meets industrial level 4
- IP40 protection class, high strength metal housing
- DIN-Rail and wall mounting enabled

DESCRIPTION

Meridian's MS2GT1GX1POEH media converter is a cost-effective solution for the conversion between 10/100/1000Base-T(X) and 1000Base-X interfaces, allowing you to extend communication distance by optical fiber.

The MS2GT1GX1POEH supports MDI/MDI-X auto detection, eliminating the need for crossover cables.

This converter supports IEEE802.3af-2003(AF) and IEEE802.3at-2009(AT) protocol, offering up to 30W of power to the external devices.

The MS2GT1GX1POEH managed switch is offering advanced management functions by web interface browser or optional windows utility - SpectraVISION.

The MS2GT1GX1POEH switch is designed to work in wide operating temperature from -40 °C to 75 °C, to make it completely suitable for work in harsh environments.

Meridian's MS2GT1GX1POEH is a highly reliable media converter which can satisfy the most demanding operating environments.

SFP optical modules are available for a variety of optical fiber and connector types.

SPECIFICATIONS

Physical Ports

10/100/1000Base-TX Port in RJ45 Auto MDI/MDIX	1
1000Base-FX SFP port	1
Console port	RJ45 connector, RS232 TX/RX

Technology

Ethernet Standards	IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3q, IEEE802.1ah, IEEE802.1d, IEEE802.1w, SNMP, IEEE802.3af, IEEE802.3at
Processing	Store-and-Forward
Flow Control	IEEE802.3x flow control, back pressure
MAC Table	8K
Packet buffer	1Mbit
Packet forwarding rate	3.0Mpps
Switching delay	<5μs

LED indicators

Power Indicator	Green : ON - Power input present OFF - Power input absent
Alarm Indicator	Green : ON - Alarm active OFF - Alarm inactive
Run Indicator	Green : ON - The system is running OFF - The system doesn't run
10/100/1000Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for 1000Mbps indicator
POE	Green : ON - POE is active OFF - POE is inactive
1000Base-(F)X fiber port indicator	Green for port Link/Act.

Power

Input Power	48 VDC voltage power input at 5-pin terminal block
Power Consumption (Typ.)	5 Watts
Overload Current Protection	Yes

Physical Characteristic

Enclosure	IP-40
Dimension (W x D x H)	36 (W) x 105 (D) x 155 (H)mm (1.41 x 4.13 x 6.1 inch)
Weight (g)	550g (1.2 lb)

Environmental

Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing

Regulatory approvals

EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)
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
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6

Ordering Information

Products	Part Number	Description
	MS2GT1GX1POEH	Hardened 2-port managed Gigabit Ethernet switch with 1x10/100/1000TX RJ45 port + 1x1000FX SFP port
SFP Options	Refer to Optical SFP Data Sheet for complete part numbers and ordering information	
SpectraVISION Software	Consult factory for pricing and availability	

Packing List

MS2GT1GX1POEH	1
Wall-Mount Kit	1
Quick Installation Guide	1
Din-Rail Mounting Kit	1