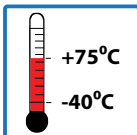
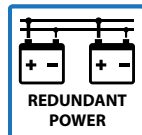


**HARDENED 10-PORT MANAGED GIGABIT ETHERNET SWITCH WITH
8x10/100/1000TX RJ45 PORTS + 2x100/1000FX SFP PORTS**

MANAGED ETHERNET SWITCH

FEATURES

- 8x10/100/1000Base-T(X) ports and 2x100/1000Base-X SFP ports
- M-Ring (recovery time≤15ms), RSTP/STP and MSTP for network redundancy
- Support IPv4/IPv6
- Support STP/RSTP/MSTP/ITU-T G.8032 Ethernet Ring Protection
- Support IGMP v1/v2/v3 Snooping, MLD v1/v2 Snooping
- Support IEEE802.1Q VLAN/MAC based VLAN/Protocol based VLAN /IP subnet based VLAN/GVRP/MVR
- Support DHCP Client/Relay/snooping/option 82
- Support IGMPV1/V2/V3 Snooping. MLD v1/v2 Snooping
- Support Port-based IEEE802.1X/Single and multiple IEEE802.1X/MAC-based authentication/VLAN Assignment/ IP source guard/RADIUS/TACACS+/ACL/SSH v2/HTTPS
- Support web interface management CLI-Console/Telnet, SNMPv1/v2/v3, ROMN/System syslog
- Support DNS client/proxy
- Support LACP/Link Aggregation Static
- Support port trunking, port speed limit, broadcast storm control
- Support two 2.5G fiber ports, can be configured to 1G
- IETF RFC 1213 MIB-II (Management Information Base)
- Green industrial serials ,without fan , low power consumption
- Working environment -40°+75°
- Optional redundant power with SR-2001/AR1 chassis
- EMC performance meets industrial level 4

DESCRIPTION

The Meridian MS10GT8GX2-R rack card is a managed redundant ring Ethernet switch with 8x10/100/1000Base-TX and 2x100/1000Base-F(X) Ports. With complete support of auto negotiation, 10/100/1000M transmission, full/half duplex, auto MDI/MDIX, flow control this switch will provide stable operation in any mission-critical application. MS10GT8GX2-R can be managed by web interface browser or optional windows utility SpectraVISION.

MS10GT8GX2-R switches are designed to work in wide operating temperature from -40 °C to 75 °C, to make them completely suitable for harsh environments.

MARKETS

- * Highway monitoring/communication systems
- * City intelligent transportation systems
- * Rail transportation monitoring/communication systems
- * Large-scale industrial communication systems
- * Railway electric industry control systems
- * Thermal power industrial control systems
- * State grid industrial communication systems

SPECIFICATIONS

Physical Ports

10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	8
100/1000Base-X SFP port	2

Technology

Ethernet Standards	IEEE802.3i/802.3u/802.3ab/802.3z/802.3x/802.3ad/802.1p/802.1q/802.1d/802.1w/802.1s/802.1ad/802.3az/802.1x/802.1ab, IEEE802.3af-2003, IEEE802.3at-2009
Protocol	M-Ring, IGMP v1/v2/v3 Snooping, GVRP, SNMPv1/2/3, MLD v1/v2 Snooping, DHCP Server/Client/Relay/snooping, RMON, HTTPS, Telnet, System syslog, SSHv2, DNS client/proxy, CLI-Console, Q-in-Q, RADIUS, TACACS+, ACL
MIB	MIB-II, Ethernet-Like MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
DDM Function	Tx/Rx Optical Power and Temperature control
Flow Control	IEEE802.3x flow control, back pressure flow control

Switch Properties

Priority Queues	8
Maximum No. of Available VLANs	4094
VLAN ID Range	1-4094
MAC Table Size	8K
Packet Buffer Size	4Mbit
Packet Forwarding Rate	4.16Mpps
Switching delay	<5μs

Interfaces

SFP Port	100/1000Base-X, SFP interface
RJ45 Port	10/100/1000Base-T(X) auto negotiation
Console Port	RJ-45 connector, RS232 TX/RX
Fault Contact	2-pin relay output with current carrying capacity of 1A@24VDC

Transmission Distance

Twisted pair	100m - Standard CAT5, CAT5e)
Multimode	5km max. @ 100Mb/s, 550m max. @ 1000Mb/s
Single-mode	100km max. @ 100Mb/s, 60Km max. @ 1000Mb/s

LED indicators

Power Indicator	Green : Power LED
Alarm Indicator	Alarm Active
Run Indicator	Blinking Slow for System Run Blinking Fast for M-Ring Master
10/100/1000Base-TX RJ45 port Link/Act indicator	Steady Green for port Link Up Blinking Green for Data Transmitted Off for Link Down
100/1000Base-FX SFP port Link/Act indicator	Steady Green for port Link Up Blinking Green for Data Transmitted Off for Link Down

Power

Card	4Watts
------	--------

Physical Characteristic

Enclosure	Two Slot Rack Card
Dimension (W x D x H)	40(W)x160(D)x127(H) mm (1.6 x 6.3 x 5.0 inch)
Weight (g)	700 g (1.55 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 Part15 Subpart B Class A/EN55022 Class A
EMS	EMS: EN61000-4-2 (ESD) Level 3 EN61000-4-3 (RS) exceeds Level 3 EN61000-4-4 (EFT) Level 3 IEC 61000-4-5 (Surge) Level 3 IEC 61000-4-6 (CS) Level 2 IEC 61000-4-8 IEC 61000-4-11 IEC 61000-4-16
Safety	EN60950-1

Ordering Information

Description	MS10GT8GX2-R - Hardened 10-port managed Gigabit Ethernet switch with 8x10/100/1000TX RJ45 ports + 2x100/1000FX SFP ports
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

MS10GT8GX2-R	1
Manual	1
Console Cable	1