US6GT4GX2-R | DigiNET
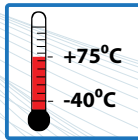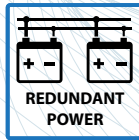
HARDENED 6-PORT UNMANAGED GIGABIT ETHERNET SWITCH RACK MOUNT CARD, WITH 4x10/100/1000BASE-T(X) AND 2x100/1000BASE-X SFP PORTS

REDUNDANT POWER

+75°C −40°C

FULL GIGABIT

FC CE

UNMANAGED ETHERNET SWITCH

FEATURES

- Supports 4 x 10/100/1000Base-T(X) ports and 2 x 100/1000Base-X SFP ports
- Supports two 100Base-FX and 1000Base-X optical SFP ports
- Supports Jumbo Frame up to 9 Kbytes
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Hot Swappable Rack Cards
- Wide operating temperature range (-40 to +75°C)

DESCRIPTION

Meridian's US6GT4GX2-R is unmanaged Ethernet switch rack mount card with 4x10/100/1000Base-T(X) and 2x100/1000Base-X SFP ports.

The SFP port optical network speed can be set by the DIP-Switch.

The US6GT4GX2-R card supports redundant input power with Meridian's chassis using redundant power supplies.
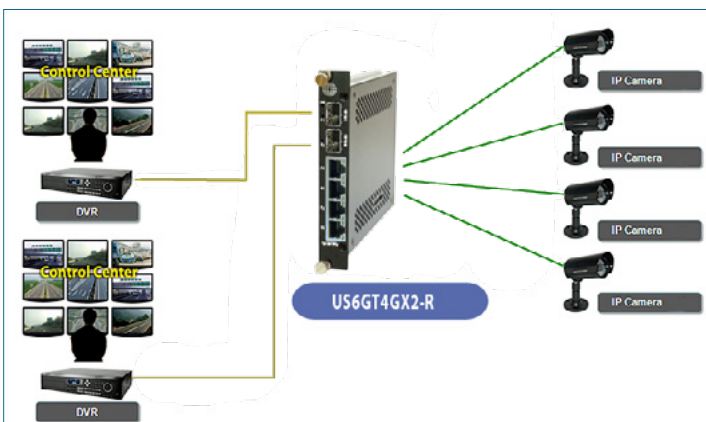
The wide operating temperature range of -40°C to 75°C can easily satisfy most the most demanding environments.

The US6GT4GX2-R switch is available as a standard Meridian 1-slot, rack mount card that can be installed in most of Meridian's chassis. For standalone module see US6GT4GX2 system data sheet.

TYPICAL OPERATION

US6GT4GX2-R can be used to connect several Ethernet devices like IP-Camera or other peripherals.

Chassis with redundant power supplies can be used to avoid interruption caused by a single power failure. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.

SPECIFICATIONS

Physical Ports

10/100/1000Base-TX Ports in RJ45 Auto MDI/MDIX	**4**
100/1000Base-X SFP Ports	**2**

Technology

Ethernet Standards	IEEE 802.3 for 10Base-T,
	IEEE 802.3u for 100Base-TX
	IEEE 802.3z for 1000Base-X
	IEEE 802.3ab for 1000Base-TX
	IEEE 802.3x for Flow control
MAC Table	1024 MAC addresses
Processing	Store-and-Forward
Jumbo Frame	Up to 9 Kbytes

LED Indicators

Power Indicator	Green : Power LED x 1
10/100/1000Base-T(X) RJ45 Port indicator	Green for port Link / Act Green for 100Mbps indicator
100/1000Base-X SFP Port Indicator	Green for port Link/Act

SFP Speed DIP-Switch

DIP-Switch 1/2	DIP-Switch 1 (ON) and DIP-Switch 2 (ON) : SFP speed setting to 100Mbps DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) : SFP speed setting to 1000Mbps

Power

Power Consumption (Typ.)	3 Watts
Overload Current Protection	Yes

Physical Characteristic

Enclosure	Rack Card
Dimension (W x D x H)	20 (W) x 127 (H) x 160 (D) mm (0.8 x 5.0 x 6.3 inch)
Weight (g)	410g (0.93 lb)

Environmental

Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 168°F)
Operating Humidity	5% to 95% Non-condensing

Regulatory approvals

EMI	FCC Part 15, CISPR (EN55022) class A
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
Safety	EN60950-1

Ordering Information

Description	Part Number	Description
	US6GT4GX2-R	Hardened 6-port Unmanaged Gigabit Ethernet Switch Rack Mount Card, with 4 x 10/100/1000Base-T(X) and 2 x 100/1000Base-X SFP ports
SFP Options	**The SFP series products are available for both single-mode and multimode fiber applications and ether one or two fiber versions. This system is compatible with all Meridian's SFP modules. 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**	

Packing List

US6GT4GX2-R Rack Mount Card	1
Quick Installation Guide	1

v 06/2015 C