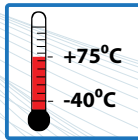
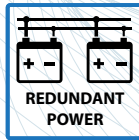


**HARDENED 6-PORT UNMANAGED GIGABIT ETHERNET SWITCH RACK MOUNT CARD,  
 WITH 4x10/100/1000BASE-T(X) AND 2x100/1000BASE-X SFP PORTS**

**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.

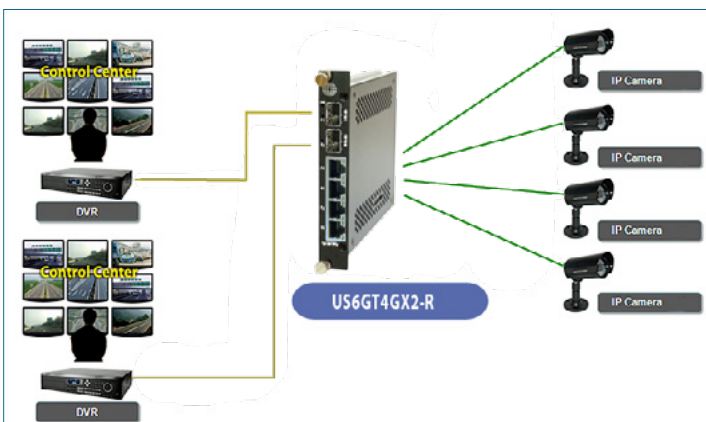
The US6GT4GX2-R switch is available as a standard 1-slot, rack mount, card that can be installed in most of Meridian's card chassis, desk chassis and 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-500, 1 slot desk / wall mount chassis (87VAC-264VAC).

In addition, for standalone module options, see US6GT4GX2 and US6GT4GX2POEH system data sheets.

## 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 | <b>4</b>  |
| 100/1000Base-X SFP Ports                       | <b>2</b>  |
| 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<br>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) :<br>SFP speed setting to 100Mbps<br>DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) :<br>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<br>(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),<br>EN61000-4-4 (EFT), EN61000-4-5 (Surge),<br>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  |
|                      | <b>US6GT4GX2-R</b>  | <b>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</b> |
| SFP Options          | <p>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.</p> <p>For more specifications on a SFP optical devices go to <b>SFP data sheet</b> or go to:<br/> <a href="http://WWW.MERIDIAN-TECH.COM">WWW.MERIDIAN-TECH.COM</a> -&gt; PRODUCTS -&gt; ACCESSORIES -&gt; SFP OPTICAL DEVICES</p> |  |

| Packing List                       |          |
|------------------------------------|----------|
| <b>US6GT4GX2-R Rack Mount Card</b> | <b>1</b> |
| <b>Quick Installation Guide</b>    | <b>1</b> |