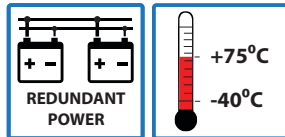


HARDENED 10-PORT UNMANAGED ETHERNET SWITCH WITH 8x10/100BASE-TX AND 2x1000BASE-X, SFP PORTS



UNMANAGED ETHERNET SWITCH



FEATURES

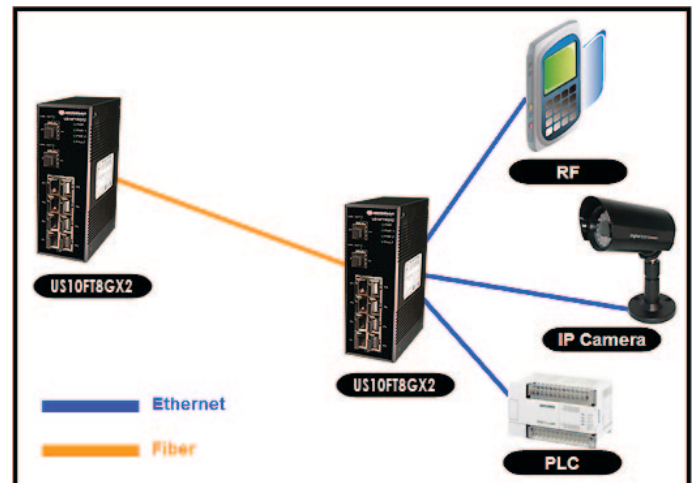
- Provide 8x10/100Base-TX and 2x1000Base-X SFP ports
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- Triple redundant DC power inputs via terminal block and power jack
- Warning system via relay output
- Rugged IP-30 housing design
- DIN-Rail or wall mounting
- Wide operating temperature range (-40 to +75°C)

DESCRIPTION

The US10FT8GX2 is an unmanaged Ethernet switch with 8x10/100Base-TX ports and 2x1000Base-X SFP ports. These SFP ports allow connectivity over either singlemode or multimode fiber using the appropriate SFP optical device. This switch provides inputs for multiple power sources to help ensure continued operation in the event of severe power outages. For further reliability, this switch has internal surge protection and offers a relay output for fault alarm annunciation. Its rugged IP-30 housing design and wide operating temperature range (-40 to +75°C) enables it to operate in extreme environments.

TYPICAL OPERATION

The diagram below illustrates how the switch can be used in connecting several Ethernet devices such as IP-Cameras, access control devices or other Ethernet switches. In addition, there are three different power inputs to enhance its reliability, two supplied via the terminal block, and one by the power jack to avoid interruption caused by power outages.



SPECIFICATIONS

Physical Ports	
10/100Base-TX Ports in RJ45 Auto MDI/MDIX	8
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 802.3x for Flow control
MAC Table	8192 MAC addresses
Processing	Store-and-Forward
LED Indicators	
Power indicator	Green : Power LED x 3
Fault Indicator	Amber : Indicate PWR1 or PWR2 failure
10/100Base-Tx RJ45 Port Indicator	Green for port Link/Act. Amber for Duplex/Collision
1000Base-X SFP Port Indicator	Green for port Link/Act
Fault contact	
Relay	Relay output to carry capacity of 1A at 24VDC
Power	
Redundant Input Power	Triple DC inputs. 12~48VDC on 7-pin terminal block, 12~45VDC on power jack
Power Consumption (Typ.)	6 Watts
Overload Current Protection	Present
Reverse Polarity Protection	Present on terminal block

Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	52(W) x 106.1(D) x 144.3(H) mm (2.05x4.18x5.68 inches.)
Weight (g)	678 g (1.5 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
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
MTBF	>350,000 hours

Ordering Information		
Products	Part Number	Description
	US10FT8GX2	Hardened 10-port unmanaged Ethernet switch with 8x10/100Base-TX and 2x1000Base-X, SFP Ports
Power supplies	PSH24DC24 PSH24DC40 PSH48DC240 PSH48DC480	24VDC @ 1 Amp (24 Watts) 24VDC @ 1.7 Amps (40 Watts) 48VDC @ 5 Amp Amps (240 Watts) 48VDC @ 10 Amp Amps (480 Watts)
SFP Options	refer to Optical SFP Data Sheet for complete part numbers and ordering information	

Packing List	
US10FT8GX2	1
Wall-Mount Kit	1
Quick Installation Guide	1
Din-Rail Kit (attached)	1