US8GT8POEH-24V | DigiNET

8-PORT SLIM UNMANAGED GIGABIT PoE ETHERNET SWITCH WITH 8x10/100/1000BASE-TX P.S.E., 24VDC POWER INPUTS

FC **CE**

REDUNDANT POWER	FULL GIGABIT	+75°C / -40°C	P.S.E PoE
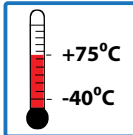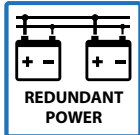
FEATURES

- Provide 8x10/100/1000Base-TX PoE (P.S.E.) ports
- Support P.S.E. based on IEEE 802.3at standard up to 30 Watts per port
- Support dual wide range 24~36VDC power inputs for power redundancy with terminal blocks
- Supports jumbo frame up to 9KBytes
- Redundant power inputs with terminal blocks
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
- Rugged IP-30 housing design
- DIN-Rail or wall mounting

DESCRIPTION

Meridian's US8GT8POEH-24V is an unmanaged, 8-port PoE Ethernet switch with P.S.E. function. The US8GT8POEH-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Unit accept wide range 12~36VDC power inputs and generates 50VDC P.S.E. power output per port. The switch has eight 10/100/1000Base-TX P.S.E. (Power Sourcing Equipment) ports. Its rugged IP-30 housing design and wide operating temperature range (-40 to +75°C) enables it to operate in even the extreme environments. Therefore, the switch is one of the most reliable choices for PoE Ethernet applications.

As illustrated in the drawing, the US8GT8POEH-24V can be used to connect a number of PoE Ethernet devices (e.g., IP-Cameras, access panels, or other Ethernet devices requiring remote power. This switch also offers redundant power inputs for increased system reliability.

TYPICAL OPERATION

As illustrated in the drawing, the can be used to connect a number of PoE Ethernet devices (e.g., IP-Cameras or other Ethernet devices requiring remote power.

SPECIFICATIONS

Physical Ports	
10/100/1000Base-TX Ports in RJ45 With P.S.E.	**8**

Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T
	IEEE 802.3u for 100Base-TX
	IEEE 802.3ab for 1000Base-X
	IEEE 802.3x for Flow control
	IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table	8K MAC addresses
Processing	Store-and-Forward
Jumbo Frame	Up to 9KBytes

LED indicators	
Power indicator	Green : Power LED x 2
Fault indicator	Amber : Indicate PWR1 or PWR2 failure
10/100/1000Base-TX RJ45 port and PoE indicator	Green for port Link/Act and PoE indicator

DIP-Switch	
DIP-Switch 1	Power-1 failed warning : (ON) enable, (OFF) disable
DIP-Switch 2	Power-2 failed warning : (ON) enable, (OFF) disable

Fault contact	
Relay	Relay output to carry capacity of 1A at 24VDC

Power	
Redundant Input power	Dual DC inputs. 12~36VDC on 6-pin terminal block.
Power consumption (Typ.)	7.8 Watts (power device not included)
Overload current protection	Yes
Reverse polarity protection	No

Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	41 (W) x 94.9 (D) x 144.3(H) mm (1.62 x 3.74 x 5.68 inch)
Weight (g)	452 g (0.99 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 , E-MARK
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
MTBF (Hours) (MIL-HDBK-217F2, GB, GC, 25°C)	123,291

10/100Base-T(X) P.S.E. RJ-45 Port	
PIN #1	TD+ with PoE Power input +
PIN #2	TD- with PoE Power input +
PIN #3	RD+ with PoE Power input -
PIN #6	RD- with PoE Power input -

1000Base-T P.S.E. RJ-45 Port	
PIN #1	BI_DA+ with PoE Power input +
PIN #2	BI_DA- with PoE Power input +
PIN #3	BI_DB+ with PoE Power input -
PIN #4	BI_DC+
PIN #5	BI_DC-
PIN #6	BI_DB- with PoE Power input -
PIN #7	BI_DD+
PIN #8	BI_DD-

Ordering Information		
Products	Part Number	Description
	US8GT8POEH-24V	8 port 10/100/1000TX (RJ45) unmanaged Ethernet PoE switch, 24VDC power inputs

Packing List	
US8GT8POEH-24V	1
Wall-Mount Kit	1
Quick Installation Guide	1
Din-Rail Kit (attached)	1

v 05/2014 A