

GEP-78082GFIN

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 21Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	10KB
MAC Address Table Size	11K
Packet Buffer Size	2M
Network Connector	8xRJ-45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 2 x 1000M TX / SFP combo
Network Cable	UTP/STP Cat.5e or above Cable
	EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PW1(Power 1) Green PW2(Power 2) Green PW3(Power 3) Amber for Power DIN RLY(Alarm Relay) Amber
	TX/RJ-45 port: port 1 to port 8 Green – LNK (Link/Active) TX/RJ-45 port: port T9 and port T10 Green – LNK (Link/Active)
	SFP Fiber Per port: Green – Link/Active
Reserve Polarity Protection	Present
Overload Current Protection	Present
Power Supply	P1 and P2 for Redundant Dual DC 12V-56V P3 for Power DIN to connect external power adapter DC 12-56V
Power Consumption	5.76W@48 VDC full load

Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in “open” circuit mode when PW1 and PW2 are connected. in “short” circuit mode when only one power supply is connected
Removable Terminal Block	Provide 2 Redundant power, Alarm relay contact, 6 Pin. And circular POWER DIN for power adapter Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C to 75°C
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C to 85°C
MTBF (mean time between failure)	510,400 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Aluminum ,IP30 Protection
Case Dimension (LxWxD)	155mmx48mmx120mm (LxWxD)
Installation	DIN Rail and Wall Mount Options Included
Certifications	
Safety	IEC EN62368-1
EMC	CE, FCC, EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32