

## Specifications

## GEP-6301SFPIN

<b>IEEE Standard</b>	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
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 4Gbps
<b>Data Processing</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x Flow Control and Back Pressure
<b>Jumbo Frame</b>	16KB
<b>Network Connector</b>	1 x RJ-45 10/100/1000 Base-T(X) Auto MDI/MDI-X function, Full/Half duplex 1 x 100/1000 BaseF(X) SFP
<b>Network Cable</b>	UTP/STP above Cat.5e Cable EIA/TIA-568 10-ohm (100m)
<b>Protocol</b>	CSMA/CD
<b>LED</b>	PWR (Green): ON - Power is detected OFF - Power is not detected TX LNK/ACT (Green): ON - TX port is detected Flashing - TX data is transmitting/receiving SFP LNK/ACT (Green): ON - FX port is detected Flashing - FX data is transmitting/receiving
<b>DIP Switch</b>	DIP1: OFF - LFP disabled (Default) ON - LFP enabled DIP 2: OFF - SFP speed 1000M (Default) ON - SFP speed 100M Link Fault Pass Through (LFP) is when copper side signal lost or disconnect, fiber side link signal will actively off, when fiber side signal lost or disconnect, copper side link signal will also actively off.
<b>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>Power Supply</b>	4 pin terminal block with 12V-56V VDC Power Input, Relay: Relay switch for alarm
<b>Alarm Relay Contact</b>	Relay outputs with current carrying capacity of 1 A

	@24VDC, Relay in short circuit mode when power fails. in open circuit mode when power supply is connected
<b>Power Consumption</b>	2 W@48 VDC Without PoE
<b>Removable Terminal Block</b>	Provide 4 pin terminal block Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> 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
<b>Operating Temperature</b>	-40°C to 75°C
<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>Storage Temperature</b>	-40°C to 85°C
<b>MTBF (mean time between failure)</b>	>500,000 hrs (Telcordia (Bellcore), GB) at 50°C
<b>Housing</b>	Rugged Metal, IP30 Protection
<b>Case Dimension (LxWxD) mm</b>	103.5mmx32mmx81.5mm (LxWxD)
<b>Installation</b>	DIN Rail and Wall Mount options included
<b>Certifications:</b>	
<b>Safety</b>	LVD (EN62368-1)
<b>EMC</b>	CE, FCC, EN 55032/24
<b>EMI</b>	CISPR 32, FCC Part 15B Class A
<b>EMS</b>	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
<b>Vibration</b>	EN 60068-2-6
<b>Shock</b>	EN 60068-2-27
<b>Free Fall</b>	EN 60068-2-32