





**Design for harsh industrial environments
stable and reliable**

- ✓ Industrial Level 4
- ✓ IP40 protection
- ✓ CE,FCC certificated
- ✓ Anti-EMI



10/100M Unmanaged Industrial PoE Switch

LV-GYFP101B

Introduction	Image
<p>This unmanaged Ethernet PoE switch is specialized for harsh industrial environment. It is classified as power resource equipment, which can be used to power IEEE 802.3af/at compliant powered devices, eliminates the need of additional wiring.</p> <p>With simple operation, excellent quality and competitive price, it provides an economical solution for your industrial Ethernet network, which is also specially designed for the needs of multiplex broadband access with limited optical fibers.</p>	 

Features & Benefits
1 IEEE 802.3af/at PoE compliance 10/100Base-T(X) port and 1 100Base-FX port
Up to 30W at 48V DC power output on each PoE port
Super lightning protection, IP40 protection
Excellent heat elimination without cooling fan
Redundant dual DC power inputs
-40°C to +85°C operating temperature range

Switch Properties
MAC Table Size: 2K
Packet Buffer Size: 6KX64bits
Processing Type: Store and Forward
Exchange Properties: 148800pps (100M)



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Physical Characteristics

Housing: Aluminum Alloy material with IP40 Protection

Dimension: 138mm(L) X 112mm(W) X 60mm(H)

Weight: 640g

Installation: Din-Rail mounting, Wall mounting

Interfaces

1 RJ45 Port

Comply with IEEE802.3, IEEE802.3u, 10/100Base-T(X), IEEE802.3af/at PoE,
10/100Base-T(X) auto negotiation speed
Full/Half duplex mode
Auto MDI-MDI-X connection
Up to 100M Cat-5 transmission distance

1 Fiber Port

Comply with IEEE802.3u, 100Base-FX
Rate: 100Mbps
Wavelength: 1310nm/1550nm
Up to 2Km transmission distance with multi-mode
Up to 20km,40km,60km,80km transmission distance with single-mode
SC/ST/FC interfaces optional

Environmental Limits

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +85°C

Ambient Relative Humidity: 5% to 95% (non-condensing)



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Power
Input Voltage: 48V DC(44-57VDC), Redundant dual inputs
Input Current: <0.5A @48VDC
Overload Current Protection: Present
Reverse Polarity Protection: Present
Redundant Protection: Present
Connection: 1 removable 6-pin terminal blocks

Standard
Safety: UL 60950-1
EMS: EN61000-4-2 (ESD), Level 3 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 3 EN61000-4-5 (Surge), Level 3 EN61000-4-6 (CS), Level 3 EN61000-4-8, Level 3
Shock: IEC 60068-2-27
Free Fall: IEC 60068-2-32
Vibration: IEC 60068-2-6
EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A
Industry: IEC61000-6-2
Rail: EN50155, EN50121-4
Traffic: NEMA TS-2

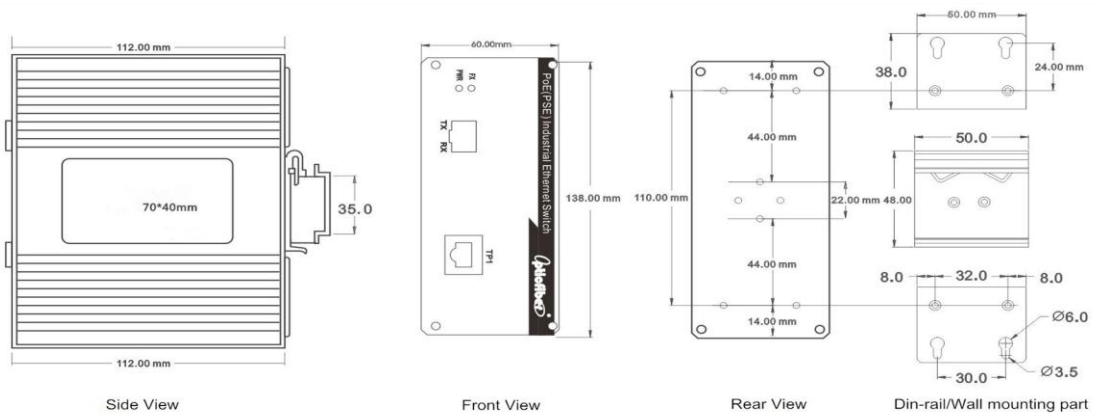


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Warranty
5 years

Dimension





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Models Available	
Model No	Description
Dual Fiber	
LV-GYFP101B-MD	Multi-mode; 2Km; SC/ST/FC interfaces optional
LV-GYFP101B-SD	Single-mode; 20Km; SC/ST/FC interfaces optional
LV-GYFP101B-SD40	Single-mode; 40Km; SC/ST/FC interfaces optional
LV-GYFP101B-SD60	Single-mode; 60Km; SC/ST/FC interfaces optional
LV-GYFP101B-SD80	Single-mode; 80Km; SC/ST/FC interfaces optional
Single Fiber	
LV-GYFP101B-MS	Multi-mode; 2Km; SC/ST/FC interfaces optional
LV-GYFP101B-SS	Single-mode; 20Km; SC/ST/FC interfaces optional
LV-GYFP101B-SS40	Single-mode; 40Km; SC/ST/FC interfaces optional
LV-GYFP101B-SS60	Single-mode; 60Km; SC/ST/FC interfaces optional
LV-GYFP101B-SS80	Single-mode; 80Km; SC/ST/FC interfaces optional