





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

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



10/100/1000M Unmanaged Industrial PoE Switch

LV-GYFP102G

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
2 IEEE 802.3af/at PoE compliance 10/100/1000Base-T(X) ports and 1 1000Base SFP 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: 1K
Packet Buffer Size: 1Mbit
Processing Type: Store and Forward
Exchange Properties: 1488000pps (1000M)



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Connection: 1 removable 6-pin terminal blocks

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

2 RJ45 Ports

Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE,

10/100/1000Base-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-SX/LX/LH/ZX

Rate: 1000Mbps

Wavelength: 850nm/1310nm/1550nm

Up to 550M transmission distance with multi-mode

Up to 20Km,40Km,60Km,80Km transmission distance with single-mode

SC/LC interfaces optional



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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

Environmental Limits
Operating Temperature: -40°C to +85°C
Storage Temperature: -40°C to +85°C
Ambient Relative Humidity: 5% to 95% (non-condensing)

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



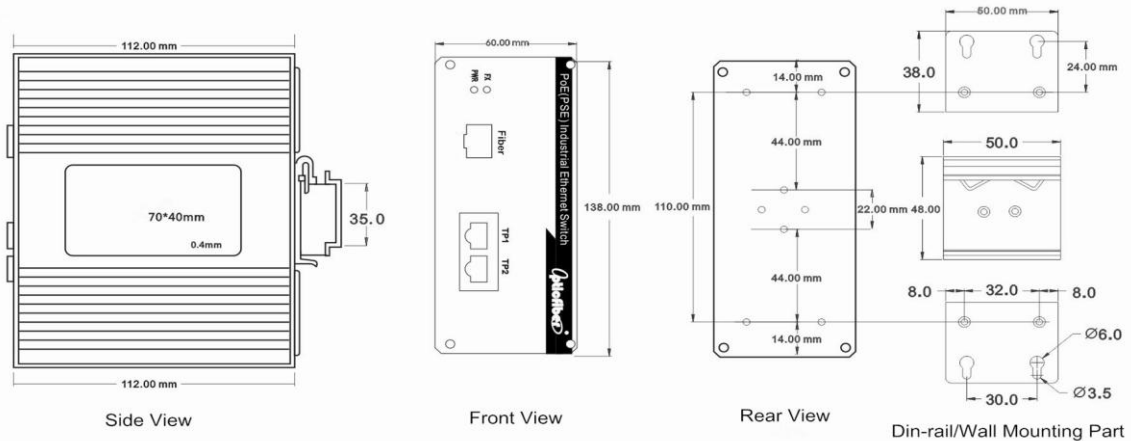
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Traffic: NEMA TS-2

Warranty
5 years

Dimension



Models Available	
Model No	Description
Dual Fiber	
LV-GYFP102G-MD	Multi-mode; 550M; SC/LC interfaces optional
LV-GYFP102G-SD	Single-mode; 20Km; SC/LC interfaces optional
LV-GYFP102G-SD40	Single-mode; 40Km; SC/LC interfaces optional
LV-GYFP102G-SD60	Single-mode; 60Km; SC/LC interfaces optional
LV-GYFP102G-SD80	Single-mode; 80Km; SC/LC interfaces optional
Single Fiber	



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LV-GYFP102G-MS	Multi-mode; 550M; SC/LC interfaces optional
LV-GYFP102G-SS20	Single-mode; 20Km; SC/LC interfaces optional
LV-GYFP102G-SS40	Single-mode; 40Km; SC/LC interfaces optional
LV-GYFP102G-SS60	Single-mode; 60Km; SC/LC interfaces optional
LV-GYFP102G-SS80	Single-mode; 80Km; SC/LC interfaces optional