

ISP-GE12V-PCB Gigabit PoE Splitter

GbE, IEEE802.3af/at PoE Splitter, output voltage 12/19/24VDC selectable

ISP-GE12V-PCB is an Industrial Grade, Gigabit Ethernet, PoE Splitter, designed to deliver data, via RJ-45 Ethernet connector, and electrical power, via screw terminal block, to non-PoE devices. This device saves the high cost of running separate electrical service to edge devices. The ISP-GE12V-PCB acts as PD equipment and can be powered by standard PoE IEEE802.3af/at PSE (Power Source Equipment) switches. The data transmission, up to Gigabit speeds, with selectable power output voltages of 12V, 19V or 24V DC, run simultaneously up to the Ethernet limit of 100 meters. Simple settings of the ISP-GE12V-PCB, make it a plug and play device, requiring no tools or software configuration, and provides ease of use, with flexible installation and high reliability.

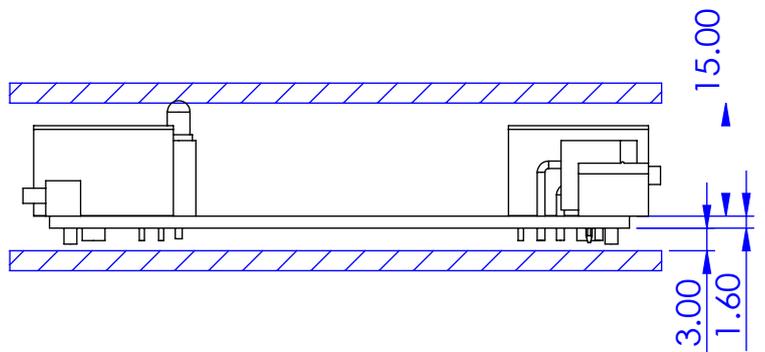
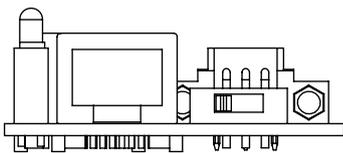
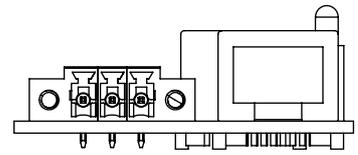
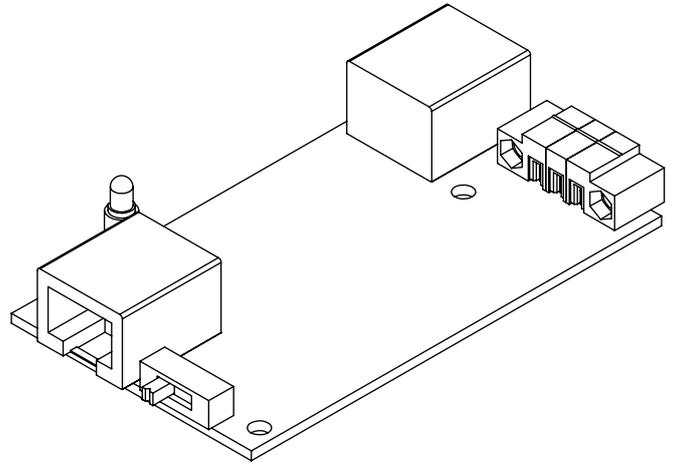
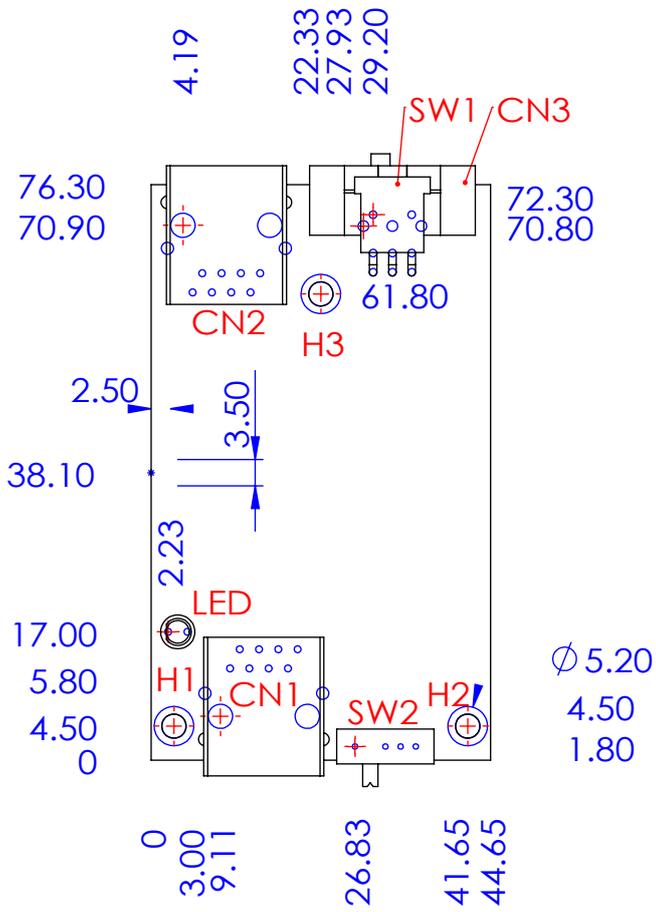
Features

- Splits power and data from PoE Input
- Supports PoE IEEE802.3af/at A mode (1,2,3,6) or B mode (4,5,7,8)
- Selectable output voltage, 12/19/24VDC select by slide SW
- Supports output power upto 12VDC/1.4A, 19VDC/1.05A, or 24VDC/0.85A
- Compliant with 10/100/1000Base-T(X)
- CE, FCC, Railway traffic EN50121-4 certified
- Heavy industrial grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified
- Wide operating temperature -40 ~ 75°C
- IP30 rugged metal housing and fanless

Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet, IEEE802.3af PoE (Power over Ethernet) IEEE802.3at PoE+ (Power over Ethernet enhancements)	
PoE In	PoE Standard	PoE Standard IEEE 802.3af, IEEE802.3at
	RJ45 Pin Assignments	Supports both PoE A mode or B mode (don't need select) A mode: Positive (V+): RJ-45 pin 1, 2, Negative (V-): RJ-45 pin 3, 6 B mode: Positive (V+): RJ-45 pin 4, 5, Negative (V-): RJ-45 pin 7, 8 Support 10/100/1000Base-T(X) Data (1, 2, 3, 6, 4, 5, 7, 8)
Output Voltage & Power	12, 19, 24VDC select by slide switch 12VDC: 1.4A, 19VDC: 1.05A, 24VDC: 0.85A with Removable terminal block	
Data Out	RJ45 10/100/1000Base-T(X)	
Network Cable	UTP/STP above Cat. 5e cable, EIA/TIA-568 100-ohm (100m)	
LED	PoE in (Green)	
Power Supply	Powered from PoE in IEEE802.3af/at, 44~57VDC, 30W Max	
Output Power	12VDC, 1.4A (max), 19VDC, 1.05A (max), 24VDC, 0.85A (max)	
Operating Temperature	-40 ~ 75°C	
Operating Humidity	5% to 95% (Non-condensing)	
Storage Temperature	-40 ~ 85°C	
Housing	Rugged Metal, IP30 Protection and fanless	
Dimensions	22 × 84.2 × 80.7 mm (D×W×H)	
Weight	85g	
Installation Mounting	Wall Mounting	
MTBF	3,371,427 Hours, (MIL-HDBK-217)	
Certification		
EMC	CE (EN55032, EN55035)	Shock IEC 60068-2-27
EMI	FCC Part 15 Subpart B Class A, CE	Freefall IEC 60068-2-31
Railway Traffic	EN50121-4	Vibration IEC 60068-2-6
Immunity for Heavy Industrial Environment	EN 61000-6-2	
Emission for Heavy Industrial Environment	EN 61000-6-4	
EMS (Electromagnetic Susceptibility) Protection Level	EN61000-4-2 (ESD) Level 3, Criteria B, EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (EFT) Level 3, Criteria A, EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A, EN61000-4-8 (PFMF) Field strength 300A/m Criteria A	

PCB 模組



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