ALLNET PoE Splitter/Extractor industrial • 1x GbE PoE BT IN • 1x GbE PoE Out • 5V/9V/12V/24V adjustable • DIN-Rail • ALL-PSI104G-BT90-PD

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EAN CODE

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Highlight:

- Comply with IEEE 802.3i/u/ab
- 1 GbE RJ45 PoE Input
- **1 GbE RJ45 PoE Output**
- 4 PIN phoenix terminal, splits PoE over into DC Output
- 5V/9V/12V/24VDC power output adjustable
- Support IEEE 802.3af/at/bt
- Output Total Power Max.72W
- Three rail-mounted designs
- Operating Ambient Temperature: -40 to 75°C

Description:

The **ALL-PSI104G-BT90-PD** is a powerful **industrial PoE splitter** for **Gigabit Ethernet applications** that reliably converts a 48 V PoE input voltage to **5 V, 9 V, 12 V or 24 V DC**. Power is supplied via an RJ45 Ethernet cable, eliminating the need for additional power supplies or separate power lines.

The device meets the performance requirements of the **IEEE 802.3af, 802.3at and 802.3bt** standards and supports both **conversion to a DC power output** via a 4-pin Phoenix terminal and a **direct PoE pass-through output**. With a **maximum output power of up to 72 W (PoE++ / BT)**, the PoE splitter is ideal for power-intensive end devices such as industrial cameras, access points, displays, controllers or IoT applications.

Thanks to its **robust industrial design**, **rail mounting options** and **wide operating temperature range from –40 °C to +75 °C**, the ALL-PSI104G-BT90-PD is ideal for use in harsh industrial environments, control cabinets,

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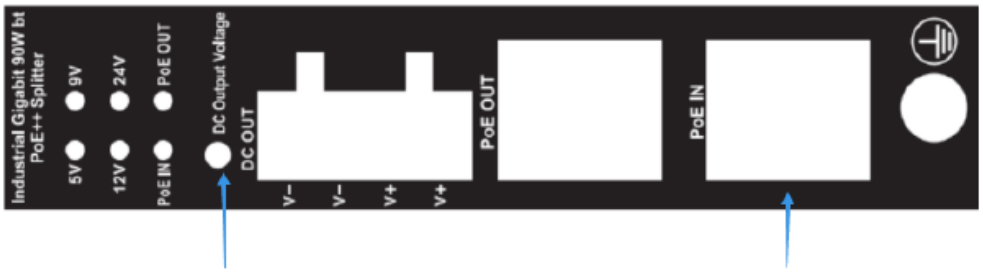
transport systems and automation applications.

Features

- Complies with IEEE802.3af, IEEE802.3at, IEEE802.3bt.
- Support PoE applications in Gigabit Ethernet environments.
- Auto-Sensing Algorithm enables taking power from IEEE802.3af/at/bt PSE.
- Splits the 48VDC power over RJ45 Ethernet cable into different DC output.
- Support wide input voltage range 44Vdc to 57Vdc.
- Maximum power output up to 72W.
- Support for the POE output of IEEE 802.3af/at/bt.
- Adjustable output 5VDC/14A or 9VDC/7.8A or 12VDC/5.9A,24VDC/3A.?
- Thermal cut off.
- Short-circuit protection.
- High efficiency DC/DC converter.
- LED indicators for power input indication.
- Plug-and-Play.

Frontpanel:

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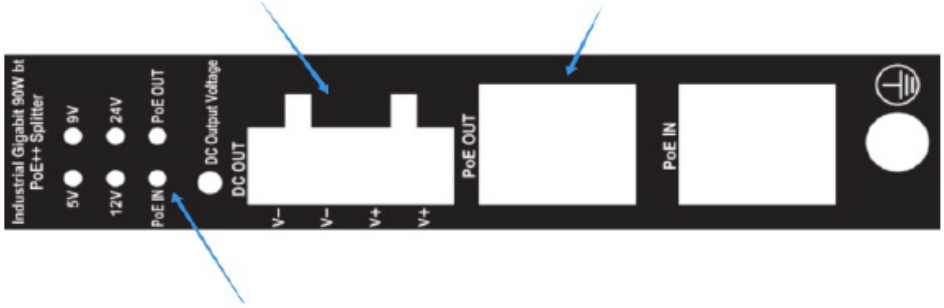
VOLTAGE SWITCH:
Choose the DC output voltage of 5V, 9V,12V or 24V by turning the switch to the left or right.

POWER+DATA IN:
Connect to the PoE Switch or PoE Injector with a CAT5 UTP

Warning Please make sure that the output voltage is correct, a wrong voltage may destroy the device which you want to power up.

DC OUT:
4 The PIN Phoenix terminal output port

DATA OUT:
Connect to the Ethernet device with CAT5 UTP cable to transmit data.



PWR: Power LED, a steady green light indicates that the PoE Splitter can supply power.

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Technical Details:

Item	Description
port	1 10/100/1000M RJ45 PoE Port (DATA + POWER IN) 1 10/100/1000M RJ45 PoE Port (DATA + POWER OUT) 1 DC interface (DC OUT)
Network Media	10Mbps: Cat 3,4,5 Unshielded Cable 100Mbps: Cat 5,5E Unshielded Cable 1000Mbps: Cat 5E, 6 Unshielded Cable
Pass Through Data Rates	10/100/1000 Mbps
Power Output	Adjustable 5VDC/14A max, 9VDC/7.8A max, 12VDC/5.9A max, 24VDC/3A max
PoE Output	IEEE 802.3af/at/bt, Max.72W
Input Power Requirements	DC Input Voltage: 44 to 57 VDC
Indicators	PoE Indicators / DC out Voltage Indicators
Connectors	Shielded RJ-45, EIA 568A and 568B
Dimensions	119x85.5x28mm
Environmental Conditions	Operating Ambient Temperature: -40 to +75°C Operating Humidity: Maximum 90%, non-condensing Storage Temperature: -40 to +75°C Storage Humidity: Maximum 95%, non-condensing
Regulatory Compliance	IEEE 802.3af (PoE) IEEE 802.3at (PoE) IEEE 802.3bt (PoE) IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) RoHS Compliant, CE, FCC

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Accessories

Part No.	Name
228324	
219111	ALLNET PoE Injector Industrial Gigabit / PoE BT (15.4W/30W/90W) / DIN / metal housing / "ALL-PI2014-I-BT90"
231227	ALLNET PoE Injektor Industrial MultiGigabit • PoE BT with Power-Booster (15,4W/30W/90W) • DIN • ALLNET PoE Injekt metal housing • ALL-PI2015MGPB-BT90
131244	Mean Well power supply - 48V 240W DIN rail
140522	Mean Well power supply - 48V 120W DIN rail, narrow

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