ALLNET Power-Booster 12-24VDC to 48~54VDC max. 200W HUT/DIN-Mounting ALL-B101-12-24VDC

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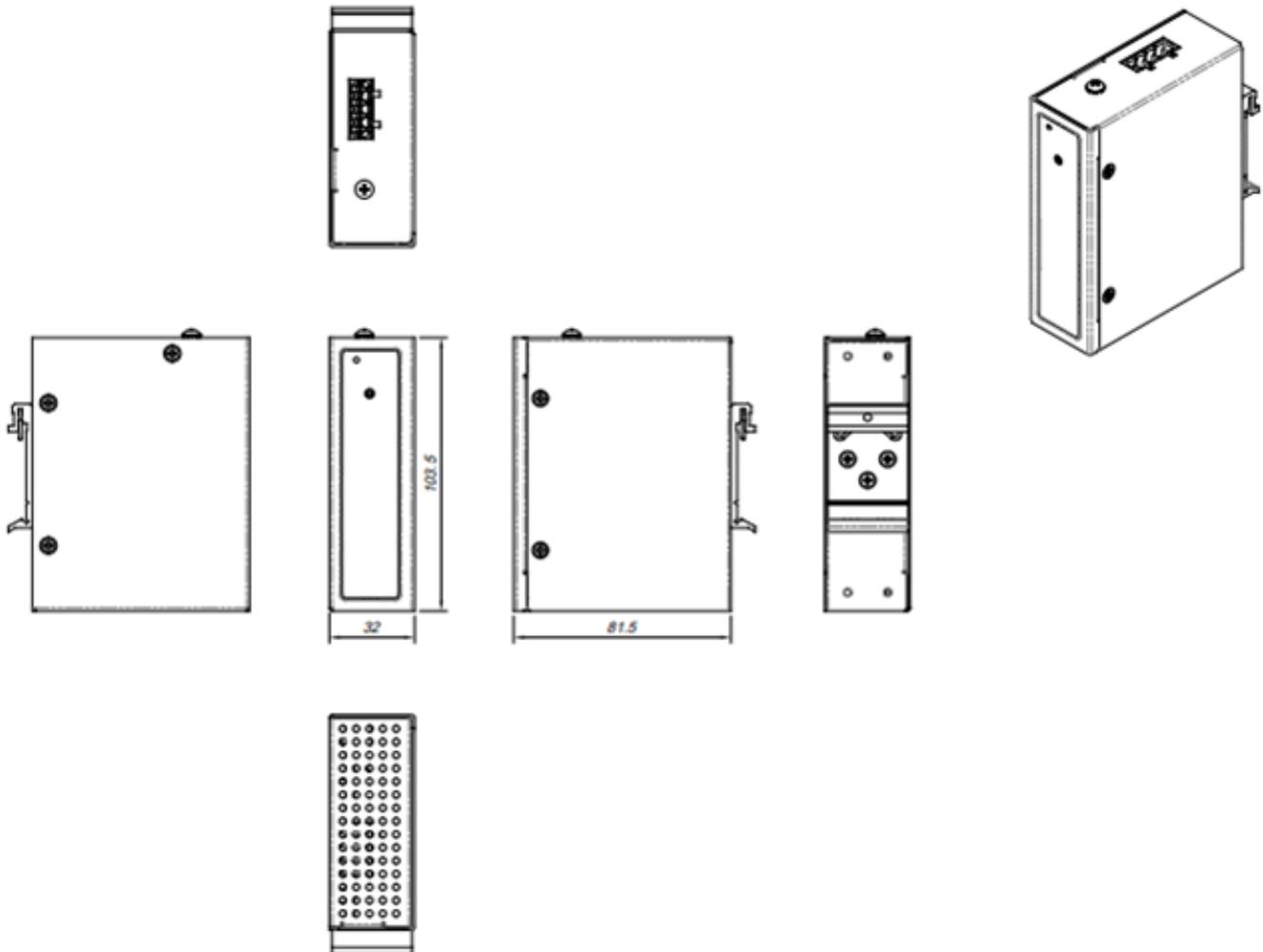
EAN CODE

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Highlights:

- Robust industrial 200W "power booster"
- Voltage boost from 12V DC to 54V DC to supply the PD devices with max. 100W
- Voltage boost from 24V DC to 54V DC to supply the PD devices with max. 200W
- Input voltage 12~24V DC
- Output voltage variably adjustable from 48V DC to 54V DC (rotary knob/screwdriver flat front)
- Extended operating temperature: -40°C to +75°C

This PoE Voltage Booster is a rugged and versatile solution for demanding environments. It raises the low input voltage to provide PoE to end devices to guarantee a steady voltage output to your PD in a harsh environment. With input voltage range 12~24VDC, it efficiently boosts the voltage to 52~54VDC and delivering 100W of power; alternatively, with input voltage range 24~48VDC, it boost the voltage to 52~54VDC and providing a robust power output of 200W. With an adjustable voltage knob, you can fine-tune the output voltage between 52VDC to 54VDC to match your device's requirements.

It's tested rigorously for security, transportation, and telco applications, this power booster ensures reliable operation in harsh conditions. Experience enhanced power delivery with the Hardened Industrial 100W/200W Power Booster.

Housing Dimension (mm)

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Technical Details

LED	PWR(Amber) ON– power ready. OFF – no power input
Overload current protection	Present
Removable Terminal Block / Power Connector	4 pin terminal block. 2 pin for 12~48VDC Voltage Input 2 pin for 52~54 VDC Voltage output
Removable Terminal Block	Wire range: 0.34mm^2 to 2.5mm^2 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
Voltage Adjustable Knob	To adjust voltage output from 52VDC to 54VDC to meet your existing application
Booster Power	Maximum Booster power 100watts at 12~24VDC input Maximum Booster power 200watts at 24~48VDC input
Operating Temperature	-40°C to +75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C to +85°C
Housing	Rugged Metal, IP30 Protection
Case Dimension (L X W X D) mm	103.5 x 32 x 81.5 mm (LxWxD)
Installation mounting	DIN-Rail and wall mount brackets included

Certifications

Safety	LVD (EN62368-1)
EMC	FCC/CE
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 4KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32

Accessories

Part No.	Name
189228	ALLNET switch unmanaged industrial 4-port Gigabit 180W / 2x PoE bt / 2x SFP / fanless / DIN / IP40 / "ALL-SGI8004P
200923	ALLNET Switch full managed industrial 4 Giga PoE/2SFP
205738	ALLNET Switch unmanaged industrial 3 Port 2,5Gigabit 90W / 1

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Part No.	Name
207550	ALLNET Switch industrial unmanaged Layer2 6 Port GbE • 4x GbE • 2x SFP • Lüfterlos , IP40 • ALL-SGI8104v2
209437	ALLNET Switch unmanaged industrial 8 Port Gigabit / 8x LAN /
219111	ALLNET PoE Injector Industrial Gigabit / PoE BT (15.4W/30W/90W) / DIN / metal housing / "ALL-PI2014-I-BT90"
134035	ALLNET ALL-MCI2011P-60W / Mediacon. 1G TX PoE AT -> 1G SFP

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