

ALLNET Gigabit PoE Injector / PoE & PoE+ (15.4 W/30 W) / 2.5 Gbps / Metal Housing / “ALL0489v4”

>>> [Go to the shop article](#)



EAN CODE



Highlights

- 2.5 Gigabit PoE+ injector compliant with IEEE 802.3af/at
- Up to 30 W PoE output power for high-performance end devices
- 2.5GBASE-T (10/100/1000/2500 Mbit/s) for maximum network performance
- Plug & Play – no configuration required
- Automatic detection of PoE-enabled devices
- Internal power supply (100–240 VAC) – no external power supply required
- Silent operation thanks to fanless metal housing
- Integrated overcurrent, short-circuit and overvoltage protection
- Status LEDs for power and PoE link
- Ideal for Wi-Fi access points, IP cameras, VoIP telephones and other PoE devices

The **ALLNET ALL0489v4** is a high-performance **2.5 Gigabit PoE+ injector** that delivers data and power via a single network cable. With an output power of up to **30 watts in accordance with IEEE 802.3at**, the injector is ideal for modern PoE devices such as Wi-Fi 6/6E/7 access points, IP cameras, VoIP telephones or industrial network devices.

Thanks to its support for **10/100/1000/2500 Mbit/s**, the ALL0489v4 can be easily integrated into existing multi-gigabit networks without limiting the data transfer rate. Automatic PoE detection ensures that only compatible devices are powered and reliably protects non-PoE devices.

The integrated wide-range power supply (100–240 VAC) enables easy installation without the need for an external power supply. The robust metal housing with fanless, passive cooling ensures silent and reliable continuous operation – whether in the office or in industrial and surveillance applications.



With comprehensive protection mechanisms against overcurrent, short circuits, ESD and overvoltage, the ALL0489v4 ensures safe operation even in demanding network environments.

Typical applications (use cases)

Wi-Fi 6 / Wi-Fi 7 access points

Powering modern access points via a single network cable – ideal where there is no mains socket.

IP video surveillance

Power supply for PoE IP cameras with a 2.5-gigabit data connection for high-resolution video transmission.

VoIP telephones

Simple installation of IP telephones without a separate power supply unit.

Network extensions

Retrofitting PoE functionality to existing switches that do not support PoE.

Industry & Building Automation

Reliable power supply for industrial network devices, sensors and control systems.

Digital signage

Power supply for PoE-enabled displays, information terminals or kiosk systems.

Smart buildings

Use in access control systems, door intercoms, IoT gateways and other PoE applications.

Target groups

- System houses and network integrators
- Electricians
- IT departments
- Businesses
- CCTV installers
- Smart building integrators
- Industrial and automation companies
- Data centres and server rooms

Technical Details



Technical Specifications	
Product Type	2.5 Gigabit PoE+ Injector
Network Interfaces	1 × RJ45 10/100/1000/2500Base-T (Data In) 1 × RJ45 10/100/1000/2500Base-T PoE+ (Power & Data Out)
Data Rate	10 / 100 / 1000 / 2500 Mbps
PoE Standards	IEEE 802.3af (15.4 W), IEEE 802.3at (30 W)
Maximum PoE Output	30 W
Supported Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3bz IEEE 802.3af IEEE 802.3at
Auto Negotiation	Supported
PoE Detection	Automatic PD Detection
LED Indicators	Power (Green), PoE Link (Green)
Power Supply	Internal switching power supply, 100–240 VAC, 47–63 Hz, 54 VDC / 40 W
Cooling	Fanless Passive Cooling
Housing	Metal Housing
Earthing	Earthing Screw (GND)
Protection	Overcurrent Protection Short-circuit Protection ESD Protection Surge Protection
ESD Protection	IEC 61000-4-2 Contact ±4 kV, Air ±8 kV
EFT Protection	IEC 61000-4-4 Power 2 kV, LAN 1 kV
Surge Protection	IEC61000-4-5 Line-to-Line & Line-to-GND Level 3 (2 kV)
MTBF	> 50,000 hours @ 45°C
Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +70°C
Operating Humidity	10%–90% RH (non-condensing)
Storage Humidity	5%–90% RH (non-condensing)
Dimensions (W × D × H)	130 × 62 × 36 mm
Compliance	CE, FCC, VCCI Class B, CE LVD



Part No.: 175246
Vendor Part No.: ALL0489v4

Attributes

Attribute	Value
Einsatzbereich Display:	Indoor
Gehäuse:	Metall
Geschwindigkeit Injektor:	10M (10Mbit/s); 100M (100Mbit/s); 1G (1000Mbit/s); 2.5G (2500Mbit/s);
PoE Leistung:	15;30;
PoE Standard:	IEEE802.3af;IEEE8023at;
Weight:	0,45 Kg
Warranty:	24.00 Months