AMG150 SERIES INDUSTRIAL GIGABIT 30/60/90W POE INJECTORS



Industrial Ethernet Solutions

AMG's industrial PoE injectors provide 30W or 60/90W of power injection on one or two Gigabit Ethernet ports. Provided with dual power supply inputs and a fault relay as standard ensures maximum system reliability.



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Gigabit	Gigabit	Temp	Mounting	PSU	Protection	NDAA/TAA
up to x2	up to x2	-40°C~+75°C	DIN/Surface	x2 Dual	IP40	Compliant

[AMG150 1 & 2 Port Series]

OVERVIEW

Designed in a compact DIN rail or wall mount housing, the AMG150 series industrial Power over Ethernet (PoE) injectors are ideally suited for providing power to remote edge network devices.

Available in both IEEE802.3at 30W or IEEE802.3bt 60/90W they are suitable for powering the latest high powered PoE devices over a wide industrial operating temperature range.

The unique AMG dual active port PoE function enables the units to operate as standard single channel injectors where power is supplied out from a single port or provide PoE power out of both ports simultaneously allowing 2 devices to be powered.

Fitted with dual redundant power inputs and power failure alarm relay ensures maximum operating reliability and the highest levels of performance.

A wide range of models are available to suit all design requirements.

PSUs need to be ordered separately.

/ FEATURES

- Compact size ideal for confined spaces, including camera poles and roadside cabinets
- -40°C to +75°C temperature maintains performance in extreme conditions
- Plug & Play no need for any user configuration
- DIN rail mountable quick to install and remove for maintenance
- Dual PoE ports support 2 PD devices simultaneously
- RJ45 ports support all 10/100/1000Mb speeds
- Dual redundant power inputs with fault relay
- Supports 15W, 30W, 60W and 90W PoE
- Auto-Negotiation (802.3u) automatically determines the best connection speed
- Designed in the USA & UK. Manufactured in the United Kingdom
- AMG Lifetime Support Warranty

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Specifications.

Standards.

IEEE802.3i IEEE802.3u IEEE802.3ab IEEE802.3af IEEE802.3at IEEE802.3bt IEEE802.3x	10Base-T 100Base-TX 1000Base-T 15W PoE 30W PoE+ 60 & 90W PoE Flow Control		
Jumbo Frames Address Table	9.2Kbytes 2K MAC Entries		
Interface.			
LED Indicators	2x Power RJ45 Link/Activity PoE		
RJ45 Ports	2x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X and 1.5 kV Isolation Protection		
Power/Relay	1x 6 pin removable termina block with locking screws		
Power.			
Power Inputs	2		
Operating Voltage	$50-56V_{DC}$ (30W PoE Models) $52-56V_{DC}$ (90W PoE Models)		
Power Consumption PSE Modes:	2W Max (without PoE Load)		
30W Models 60/90W Models	Mode A Mode A, Mode B		
Protection	Reverse Polarity, Overload Current		
Fault Relay	Form A 60V @ 2A Max		
Surga Protoction	<u>,</u>		

Surge Protection.

IEC 61000-4-2 (ESD)	±30kV Contact Discharge
	±30kV Air Gap Discharge
IEC 61000-4-4 (EFT)	40A (5/50ns)
IEC 61000-4-5 (Surge)	20A (8/20µs)

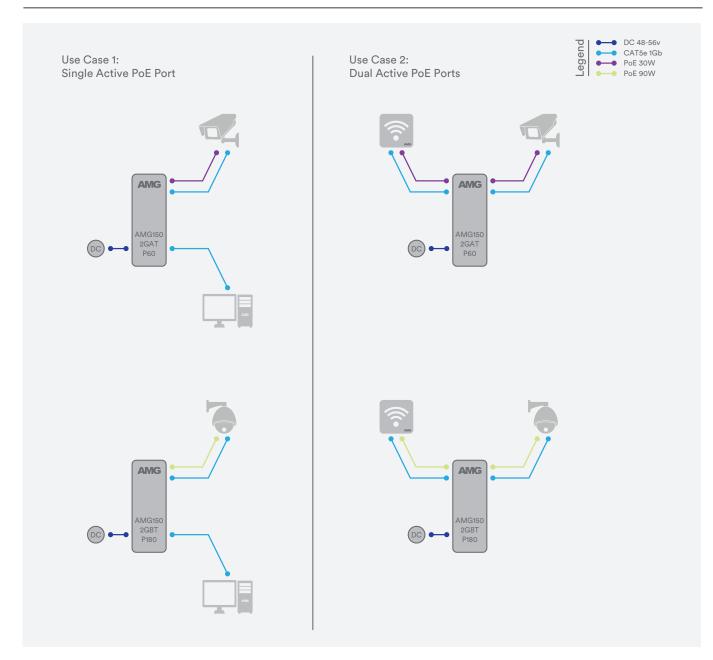
Packaging.

Shipping Weight Dimensions	0.60kg / 1.32lb (W x D x H) 220 × 170 × 40 mm 8.66 × 6.69 × 1.57 in		
Mechanical.			
Housing Dimensions: (Excluding Wall Brackets) IP Rating Installation Weight	Anodised Aluminium (W x D x H) 36 × 88 × 107 mm 1.42 × 3.46 × 4.21 in IP40 Wall Mount or DIN-Rail 0.45kg / 0.99lb		
Environmental.			
Operating Temp. Storage Temp. Humidity MTBF MTBF Standard Heat Dissipation Cooling Noise Level	-40 to +75°C / -40 to +167°F -40 to +85°C / -40 to +185°F 5% to 95% (non-condensing) 2,332,497 hours Telcordia SR-332 GF 30°C 109 BTU/h (30W PoE) 212 BTU/h (60W PoE) 314 BTU/h (90W PoE) Passive Cooling 0 dBA		
Regulatory.			
Safety EMI	IEC/EN 62368-1 EN 55032 Class A CISPR 32		
EMS Shock Free Fall Vibration Environmental Traffic	FCC Part 15B Class A EN 61000-4-2 (ESD) EN 61000-4-3 (RS) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-8 (PFMF) IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6 Reach, RoHS, WEEE NEMA TS2		
Supply Chain	NDAA & TAA Compliant		

Designed to meet EN 50121-4



Application Diagram.





Part Numbers.

Industrial PoE Injectors

 AMG150-2GAT-P60
 2 × 10/100/1000BaseT(x) RJ45 with 30W PoE+, Can Be 1x In & 1x 30W Out or 2x 30W Out

 AMG150-2GBT-P180
 2 × 10/100/1000BaseT(x) RJ45 with 60/90W PoE+, Can Be 1x In & 1x 90W Out or 2x 90W Out

Included Accessories.

DIN Rail Adapter Wall Mounting Brackets





Recommended PSUs.

AMGPSU-I48-P60 DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 43-56VDC, 60W*

AMGPSU-I48-P120 DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 47-53VDC, 120W*^

AMGPSU-148-P240 DIN-Rail Mounting Industrial Grade PSU, -40 to +70 °C, 48-53VDC, 240W*^

* Also available in kit form including mains line cord, DC cable and DIN rail. Order with -K at the end of the part code (e.g. AMGPSU-I48-P120-K).

Also available with no exposed mains terminals and direct IEC input kit. Order with -IEC at the end of the part code (e.g. AMGPSU-I48-P120-IEC).

Rear Mounted Metal DIN Rail Clip & Screws For DIN Rail Mounting AMG150 Series Products

2x Wall Mouting Brackets & Screws For Wall / Surface Mouting AMG150 Series Products

Optional Accessories.

AMG2035

Side Mounted Wall Bracket Adapter Kit For DIN Rail Mounting AMG150 Series Products In Depth Restricted Installations. Adapter Kit Can Be Extended Using The Included Extension Kit To Also Mount A DIN Rail Power Supply Up To 480W

for the latest product specifications

Proud to be a British Manufacturer

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In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit www

