AMG155 SERIES INDUSTRIAL MAINS POWERED GIGABIT 30W POE INJECTOR



Industrial Ethernet Solutions

AMG's industrial PoE injectors provide 30W of power injection on one or two Gigabit Ethernet ports. Provided with integrated mains power input and a fault relay as standard ensures maximum system reliability.











[AMG155 Series]

/ OVERVIEW

Designed in a compact DIN rail or wall mount housing, the AMG155 series industrial Power over Ethernet (PoE) injectors are ideally suited for providing power to remote edge network devices.

Supporting IEEE802.3at 30W they are suitable for powering 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 an integrated fully industrial mains power supply along with a redundant DC power input and power failure alarm relay ensures maximum operating reliability and the highest levels of performance. The integrated mains power supply can also provide any remaining power as a standard DC voltage output to power 3rd party external devices.

/ FEATURES

- Compact size ideal for confined spaces, including camera poles and roadside cabinets
- -40°C to +70°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
- Gigabit multirate RJ45 ports support all standard 10/100/1000Mb speeds
- Integrated mains power supply with 48V_{DC} @ 60W output and a 2nd DC power input for redundancy
- Fault relay for dual power input failure notification
- Supports 15W and 30W PoE
- Manufactured in the United Kingdom
- AMG Lifetime Support Warranty



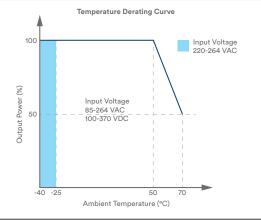
Specifications.

Standards.		Mechanical.	
IEEE802.3i	10Base-T	Housing	Anodised Aluminium
IEEE802.3u	100Base-TX	Dimensions:	$(W \times D \times H)$
IEEE802.3ab	1000Base-T	Excluding DIN & Wall Mounts	68 × 96 × 108 mm
IEEE802.3af	15W PoE		2.68 × 3.78 × 4.25 in
IEEE802.3at	30W PoE+	Including DIN & Wall Mounts	68 × 104 × 132 mm
IEEE802.3x	Flow Control		2.68 × 4.09 × 5.20 in
		IP Rating	IP30
Jumbo Frames	9.2Kbytes	Installation	Wall Mount or DIN-Rail
Address Table	2K MAC Entries	Weight	0.8kg / 1.76lb
Interface.		Environmental.	
LED Indicators	2x Power	Operating Temp.	-40°C to +70°C
	DC Power Output	Storage Temp.	-40°C to +85°C
	RJ45 Link/Activity	Humidity	5% to 95% (non-condensing
	PoE	MTBF	>300,000 hours
RJ45 Ports Mains Power DC Power/Relay	2x 10/100/1000T(X) RJ45	MTBF Standard	MIL-HDBK-217F GB 25°C
	with Auto MDI/MDI-X and	Heat Dissipation	109 BTU/h (1Ch 30W PoE, No Ext. Los
	1.5 kV Isolation Protection	0 1:	218 BTU/h (2Ch 30W PoE, No Ext. Los
	1x IEC C14 Socket or	Cooling	Passive Cooling
	1x 3-Way Barrier Screw Terminal	Noise Level	0 dBA
DC Power/Relay	1x 6 pin removable terminal block with locking screws		
	DIOCK WITH IOCKING SCIEWS	Regulatory.	
Power.		Safety	IEC/EN 62368-1 Class II
		EMI	EN 55032 Class B
Power Inputs	2		CISPR 32
Input 1 Voltage	85-264V _{AC} or 100-370V _{DC}		FCC Part 15B Class B
Input 1 Frequency	47-63 Hz	EMS	EN 61000-4-2 (ESD)
Input 1 Current	1.8A (115V _{AC}) / 1.0A (230V _{AC})		EN 61000-4-3 (RS)

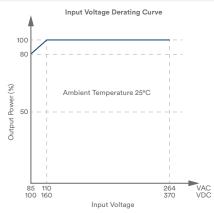
Input 1 Voltage 85-264V_{AC} or 100-370V_{DC}
Input 1 Frequency 47-63 Hz
Input 1 Current 1.8A (115V_{AC}) / 1.0A (230V_{AC})
Input 1 Fuse 3.15A/250V Slow-Blow
Input 2 Voltage 48-56V_{DC}
Power Consumption 2W Max (without PoE Load)
Integrated PSU Type 48V_{DC} @ 60W (Refer to derating chart)
PSE Mode Mode A
Protection Reverse Polarity (DC Input Only),
Overload Current

Fault Relay

EMI EN 55032 Class B
CISPR 32
FCC Part 15B Class B
EMS 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 61000-4-11 (Dips)
Shock IEC 60068-2-27
Free Fall IEC 60068-2-32
Vibration IEC 60068-2-6
Environmental Reach, RoHS, WEEE

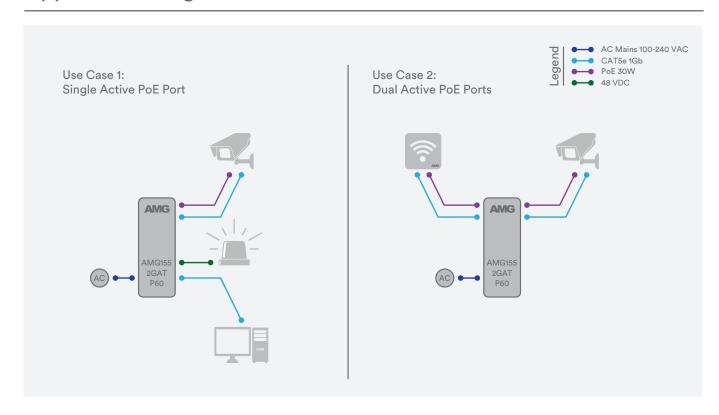


Form A, 60V @ 2A Max





Application Diagram.



Part Numbers.

Industrial PoE Injectors With Integrated Mains PSU

AMG155-2GAT-P60 2 × 10/100/1000BaseT(x) RJ45 with 30W PoE+, Integrated 60W PSU, IEC Input

AMG155-2GAT-P60-T 2 × 10/100/1000BaseT(x) RJ45 with 30W PoE+, Integrated 60W PSU, Barrier Terminal Input

Recommend Redundant PSUs.

AMGPSU-I48-P60 DIN-Rail Mounting Industrial Grade PSU, 48-56VDC, 60W

Notes.

Included Accessories: Left Angle Region Specific IEC Line Cord (For Barrier Terminal Block Models No Line Cord Is Included)

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



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