

# AMG150 1 CHANNEL INDUSTRIAL 1GB 15/30/60/90W POE SPLITTER



## Industrial Ethernet Solutions

AMG's industrial PoE splitters are powered by 15W, 30W, 60W or 90W of PoE on one 1Gb Ethernet port. User selectable voltage outputs of 5, 6, 12 & 24V<sub>DC</sub> are available via DIP switch selection with power outputs up to 60W.



[ AMG150-1G-S60-PD ]

### OVERVIEW

Designed in a compact DIN rail or wall mount housing, the AMG150 series industrial Power over Ethernet (PoE) splitters are ideally suited for providing power to remote devices that require low voltage DC inputs from a PoE enabled source.

The splitter is powered by an IEEE802.3af, at or bt PoE PD with support for a 15, 30, 60 or 90W input and converts this power through a high efficiency DC-DC converter and provides from 25W to 60W of available low voltage DC power in user selectable 5, 6, 12 or 24V<sub>DC</sub> voltages available on the dual output power screw terminal connector.

The splitter is compatible with any manufacturers IEEE802.3af, at or bt compliant PoE source device (PSE).

The Ethernet ports support transparent 10/100/1000Mb data traffic pass-through.

Fitted with robust surge and ESD protection ensures maximum operating reliability and the highest levels of performance.

### 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
- RJ45 ports support 10/100/1000Mb speeds
- IEEE802.3af/at/bt 15/30/60/90W PoE PD power input
- User selectable 5/6/12/24V<sub>DC</sub> output voltage
- Integrated surge & ESD protection for maximum protection in harsh environments
- Designed in the USA & UK. Manufactured in the United Kingdom
- AMG Lifetime Support Warranty

# Specifications.

## Standards.

IEEE802.3i	10Base-T
IEEE802.3u	100Base-TX
IEEE802.3ab	1000Base-T
IEEE802.3af	15W PoE (PD Only)
IEEE802.3at	30W PoE+ (PD Only)
IEEE802.3bt	60 & 90W PoE (PD Only)

Jumbo Frames	Transparent to Jumbo Frames
VLAN Support	Transparent to VLAN traffic
Multicast Support	Transparent to Multicast traffic

## Interface.

LED Indicators	1x Power PoE PD BT
RJ45 Ports	2x 10/100/1000T(X) RJ45 with 2 kV Isolation Protection
Power	IEEE802.3af/at/bt 15/30/60/90W Powered PD
DC Output	1x 4-way Screw Terminal
DIP Switch	1x 2-way DIP Switch (for Voltage Selection)

## Power.

Power Inputs	1x IEEE802.3af/at/bt RJ45 Port
Operating Voltage:	
PoE Input	42.5-56V <sub>DC</sub>
Power Consumption	2W Max (without DC Load)
Protection	Overload Current

## DC Output.

Outputs	2x DC Outputs (Shared Power & Voltage)
Output Selection	24V <sub>DC</sub> @ 2.5A (60W) 12V <sub>DC</sub> @ 5A (60W) 6V <sub>DC</sub> @ 5A (30W) 5V <sub>DC</sub> @ 5A (25W)

## Packaging.

Shipping Weight	0.52kg / 1.15lb
Dimensions	(W x D x H) 220 x 170 x 40 mm 8.66 x 6.69 x 1.57 in

## Mechanical.

Housing	Anodised Aluminium
Dimensions:	(W x D x H) 37 x 88 x 107 mm 1.46 x 3.46 x 4.21 in
(Excluding Wall Brackets)	
IP Rating	IP40
Installation	Wall Mount or DIN-Rail
Weight	0.3kg / 0.66lb

## Environmental.

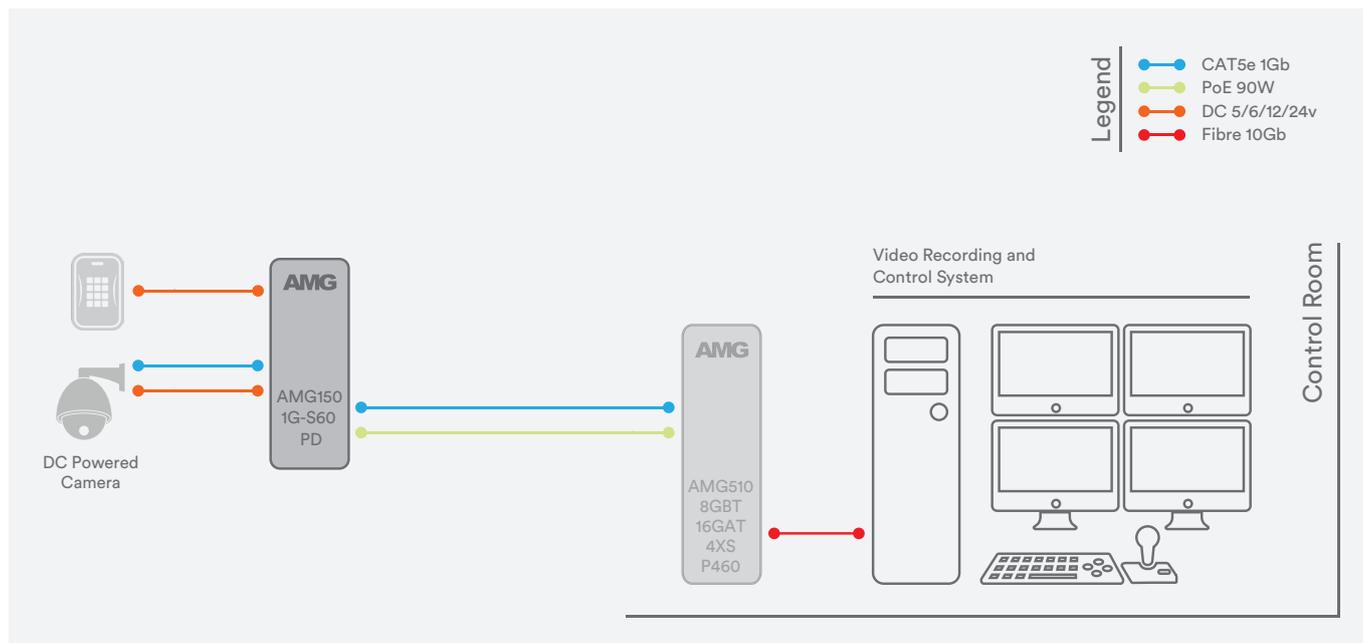
Operating Temp.	-40 to +75°C / -40 to +167°F
Storage Temp.	-40 to +85°C / -40 to +185°F
Humidity	5% to 95% (non-condensing)
MTBF	>500,000 hours
MTBF Standard	Telcordia SR-332 GF 30°C
Heat Dissipation	92 BTU/h (25W DC Load) 109 BTU/h (30W DC Load) 212 BTU/h (60W DC Load)
Cooling	Passive Cooling
Noise Level	0 dBA

## Regulatory.

Safety	IEC/EN 62368-1
EMI	EN 55032 Class A CISPR 32 FCC Part 15B Class A
EMS	EN 61000-4-2 (ESD) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	Reach RoHS WEEE
Supply Chain	NDAA & TAA Compliant

Designed to meet NEMA TS2 & EN 50121-4

# Application Diagram.



## Part Numbers.

### 1Gb Industrial PoE Splitters

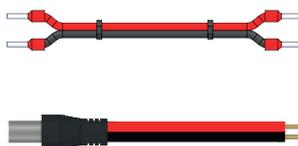
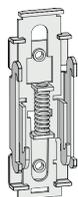
AMG150-1G-S60-PD

Industrial 1 Port PoE Splitter, 1 x 10/100/1000Base-T(x) RJ45 Port With 802.3bt 90W PD (Input), 1 x 10/100/1000Base-T(x) RJ45 Port (Output), 5, 6, 12 & 24VDC Output Up To 60W

## Included Accessories.

DIN Rail Adapter  
Wall Mounting Brackets  
DC Power Cables

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  
1x 400mm (16in) DC Power Cable + 1x 300mm (11.8in) DC Power Cable With 2.1mm DC Plug



## 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

*In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit [www.amgsystems.com](http://www.amgsystems.com) for the latest product specifications.*

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