

# AMG350-4G-1C-1S SERIES INDUSTRIAL UNMANAGED SWITCHES WITH OPTIONAL 30W POE



## Industrial Ethernet Solutions

AMG's unmanaged Ethernet switches provide 100Mbps or Gigabit Ethernet switching for simple edge network applications with optional 30W PoE. Available with a combination of 4x RJ45, 1x RJ45/SFP combo and 1x SFP port for maximum system flexibility.



Gigabit up to x4	Gigabit up to x4	Gigabit x1	100/1000 x1	Temp -40°C~+75°C	Mounting DIN/Surface	PSU x2 Dual	Protection IP40

[ AMG350-4G-1C-1S Series ]

### / OVERVIEW

Designed in a compact DIN rail or wall mount housing, the AMG350 series unmanaged Ethernet switches are ideally suited for connecting edge devices to Ethernet networks where more complex management functions are not required. Long distance connections are supported using all types of fibre through the integrated SFP port(s). Fibre connectivity is determined by separate SFP device selection, providing application and site flexibility.

Available in both non-PoE models as well as PoE models for IEEE802.3at 30W they are suitable for powering PoE devices over a wide industrial operating temperature range.

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.

SFPs and 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
- All SFP ports are multirate 100Mb/Gigabit – support single and multimode, single or dual fibre options up to 120Km
- Dual redundant power inputs with fault relay
- Supports optional 15W and 30W PoE
- Auto-Negotiation (802.3u) – automatically determines the best connection speed
- Manufactured in the United Kingdom
- AMG Lifetime Support Warranty

# Specifications.

## Standards.

IEEE802.3i	10Base-T
IEEE802.3u	100Base-TX & 100Base-FX
IEEE802.3ab	1000Base-T
IEEE802.3z	1000Base-X
IEEE802.3af	15W PoE
IEEE802.3at	30W PoE+
IEEE802.3x	Flow Control

Jumbo Frames	9.6Kbytes
Address Table	1K MAC Entries
Switch Fabric	12 Gbps
Buffer Memory	1M bits

## Interface.

LED Indicators	2x Power SFP Link/Activity RJ45 Link/Activity PoE Alarm
RJ45 Ports	5x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X with 2 kV Isolation Protection
SFP Slots	2x 100/1000FX SFP
Power/Relay	1x 6-way Screw Terminal
DIP Switch	1x 2-way DIP Switch

(For SFP Speed & Port 5 Tx/SFP Combo Selection)

## Power.

Power Inputs	2
Operating Voltage:	
Non-PoE Models	12-56V <sub>DC</sub>
30W PoE Models	48-56V <sub>DC</sub>
Power Consumption	6W Max (without PoE Load)
Total PoE Budget	120W Max (model dependent)
PSE Modes	Mode A
PoE Enabled Ports	Ports 1-4 (model dependent)
Protection	Reverse Polarity Overload Current
Alarm Relay	Form A 24V @ 1A Max

## Packaging.

Shipping Weight	1.25kg / 2.76lb
Dimensions	(W x D x H) 192 x 162 x 60 mm 7.56 x 6.38 x 2.36 in

## Mechanical.

Housing	Anodised Aluminium
Dimensions:	(W x D x H) (Excluding Wall Brackets)
Excluding DIN & Wall Mounts	47 x 106 x 144 mm 1.85 x 4.17 x 5.67 in
IP Rating	IP40
Installation	Wall Mount or DIN-Rail
Weight	1.0kg / 2.20lb

## Environmental.

Operating Temp.	-40°C to +75°C
Storage Temp.	-40°C to +85°C
Humidity	5% to 95% (non-condensing)
MTBF	>500,000 hours
MTBF Standard	MIL-HDBK-217F GF 25°C
Heat Dissipation	20 BTU/h (Non-PoE) 430 BTU/h (30W PoE)
Cooling	Passive Cooling
Noise Level	0 dBA

## Regulatory.

Safety	IEC/EN 62368-1
EMI	EN 55032 Class A CISPR 32 EN55024 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

Designed to meet NEMA TS2 & EN 50121-4

# Part Numbers.

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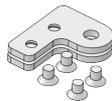
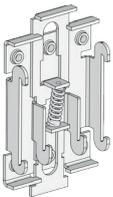
## 6 Port Unmanaged 1Gb Ethernet Switches

AMG350-4G-1C-1S	4x 10/100/1000TX, 1x 100M/1G RJ45/SFP Combo, 1x 100M/1G SFP
AMG350-4GAT-1C-1S-P120	4x 10/100/1000TX 30W PoE (120W Max), 1x 100M/1G RJ45/SFP Combo, 1x 100M/1G SFP

## Included Accessories.

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DIN Rail Adapter	Rear Mounted Metal DIN Rail Clip & Screws For DIN Rail Mounting AMG350 Series Products
Wall Mounting Brackets	2x Wall Mounting Brackets & Screws For Wall / Surface Mounting AMG350 Series Products



## Recommended PSUs.

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<b>Non-PoE Models</b> AMGPSU-I12-P24	DIN-Rail Mount Industrial Grade PSU, -40 to +70°C, 12VDC, 24W
<b>PoE Models</b> AMGPSU-I48L-P120 AMGPSU-I48-P120 AMGPSU-I48-P240	DIN-Rail Mounting Light Industrial Grade PSU, -20 to +60°C, 48-55VDC, 120W DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 47-53VDC, 120W DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 48-53VDC, 240W

## Notes.

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Optional Accessories: SFP modules - Optical/Copper see separate list, need to be ordered separately

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Manufacturer 

*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.*