AMG350-5G 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 5x Gigabit RJ45 ports.

Gigabit up to x5	**Gigabit** up to x4	**Temp** -40°C~+75°C	**Mounting** DIN/Surface	**PSU** x2 Dual	**Protection** IP40	**NDAA/TAA** Compliant

[AMG350-5G 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.

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 ensures maximum operating reliability and the highest levels of performance.

A wide range of models are available in the AMG350 product range to suit all unmanaged switch design requirements.

PSUs need to be ordered separately.

FEATURES

— Compact size – ideal for confined spaces, including camera poles and roadside cabinets

— Innovative thermally efficient housing ensures high levels of device reliability under full load

— -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

— Dual redundant power inputs

— Supports optional 15W and 30W PoE

— Auto-Negotiation (802.3u) – automatically determines the best connection speed

— Supports wide ranging DC or AC power inputs

— 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
IEEE802.3at	30W PoE+
IEEE802.3x	Flow Control

Jumbo Frames	9.6Kbytes
Address Table	2K MAC Entries
Switch Fabric	10 Gbps
Buffer Memory	1M bits

Interface.

LED Indicators	2x Power
	RJ45 Link/Activity
	RJ45 Speed (Non-PoE Models Only)
	PoE (PoE Models Only)
RJ45 Ports	5x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X with 2 kV Isolation Protection
Power	1x 4-way Screw Terminal

Power.

Power Inputs	2
Operating Voltage:	
Non-PoE Models	12-60V$_{DC}$ or 18-36V$_{AC}$
30W PoE Models	48-56V$_{DC}$
Power Consumption	3W 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

Packaging.

Shipping Weight	0.59kg / 1.30lb
Dimensions	(W x D x H)
	220 × 170 × 40 mm
	8.66 × 6.69 × 1.57 in

Mechanical.

Housing Dimensions:	Anodised Aluminium (W x D x H)
Excluding DIN & Wall Mounts	37 × 88 × 107 mm
	1.46 × 3.46 × 4.21 in
IP Rating	IP40
Installation	Wall Mount or DIN-Rail
Weight	0.47kg / 1.04lb

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	MIL-HDBK-217F GF 25°C
Heat Dissipation	10 BTU/h (Non-PoE)
	420 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
Traffic	NEMS TS2
Supply Chain	NDAA & TAA Compliant

Designed to meet EN 50121-4

AMG

Part Numbers.

5 Port Unmanaged 1Gb Ethernet Switches

AMG350-5G	5x 10/100/1000TX
AMG350-4GAT-1G-P120	4x 10/100/1000TX 30W PoE (120W Max), 1x 10/100/1000TX

Included Accessories.

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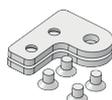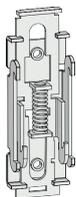
Recommended PSUs.

Non-PoE Models

AMGPSU-W12-P25	Plug Top Mounting Light Industrial Grade PSU, 0 to +70°C, 12VDC, 25W, UK/EU/US Plug Heads Included
AMGPSU-I12-P24	DIN-Rail Mount Industrial Grade PSU, -40 to +70°C, 12VDC, 24W*

PoE Models

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

Optional Accessories.

AMG2035	Side Mounted Wall Bracket Adapter Kit For DIN Rail Mounting AMG350 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