

# AMG350R SERIES INDUSTRIAL RACK MOUNTED UNMANAGED SWITCHES



## Industrial Ethernet Solutions

AMG's unmanaged Ethernet switches provide 100Mbps or Gigabit Ethernet switching for simple edge network applications. Available with a combination of 2x RJ45 and 2x SFP ports for maximum system flexibility.



 10/100 up to x2	 Gigabit up to x2	 100/1000 up to x2	 Temp -40°C~+75°C	 Mounting Rack
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[ AMG350R Series ]

### / OVERVIEW

Designed to be installed into the AMG2009, AMG2015 3U or AMG2031 1U card cages, the AMG350R 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 2 port RJ45 with 2 port SFP format the AMG350R series provide high density rack mounted unmanaged switch solutions.

When installed within the AMG2015-DR or AMG2031 card cages dual redundant power inputs and power failure alarm relay ensures maximum operating reliability and the highest levels of performance.

SFPs need to be ordered separately.

### / FEATURES

- Compact single slot size – ideal for high density rack mount requirements
- -40°C to +75°C temperature maintains performance in extreme conditions
- Plug & Play – no need for any user configuration
- Rack mount card cages available in 1U or 3U heights
- All SFP ports are multirate 100Mb/Gigabit – support single and multimode, single or dual fibre options up to 120Km
- Gigabit or 10/100Mb Ethernet copper ports provide high bandwidth support
- 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
IEEE802.3x	Flow Control
Jumbo Frames	9.2Kbytes
Address Table	2K MAC Entries
Switch Fabric	8Gbps

## Interface.

LED Indicators	Power SFP Link/Activity RJ45 Link/Activity
RJ45 Ports	2x 10/100TX RJ45 or 2x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X and 1.5 kV Isolation Protection
SFP Slots	2x 100/1000FX SFP
Power	Supplied From Rack
Front Ports	2x RJ45 Ports 2x SFP Ports
Rear Ports	None

Note: Redundant PSUs are supported with fault alarm in AMG2015-DR and AMG2031 racks

## Power.

Power Inputs	1 or 2 (Dependent On Rack Model Used)
Operating Voltage	10-36V <sub>DC</sub>
Power Consumption	4W Max
Protection	Overload Current

## Packaging.

Shipping Weight	0.75kg / 1.65lb
Dimensions	(W x D x H) 250 x 190 x 50 mm 9.84 x 7.48 x 1.97 in

## Mechanical.

Casing Dimensions	Anodised Aluminium (W x D x H) 35 x 172 x 128 mm 1.38 x 6.77 x 5.04 in
IP Rating	IP30
Installation	AMG Card Cages
Rack Slots	1
Weight	0.55kg / 1.21lb

## Environmental.

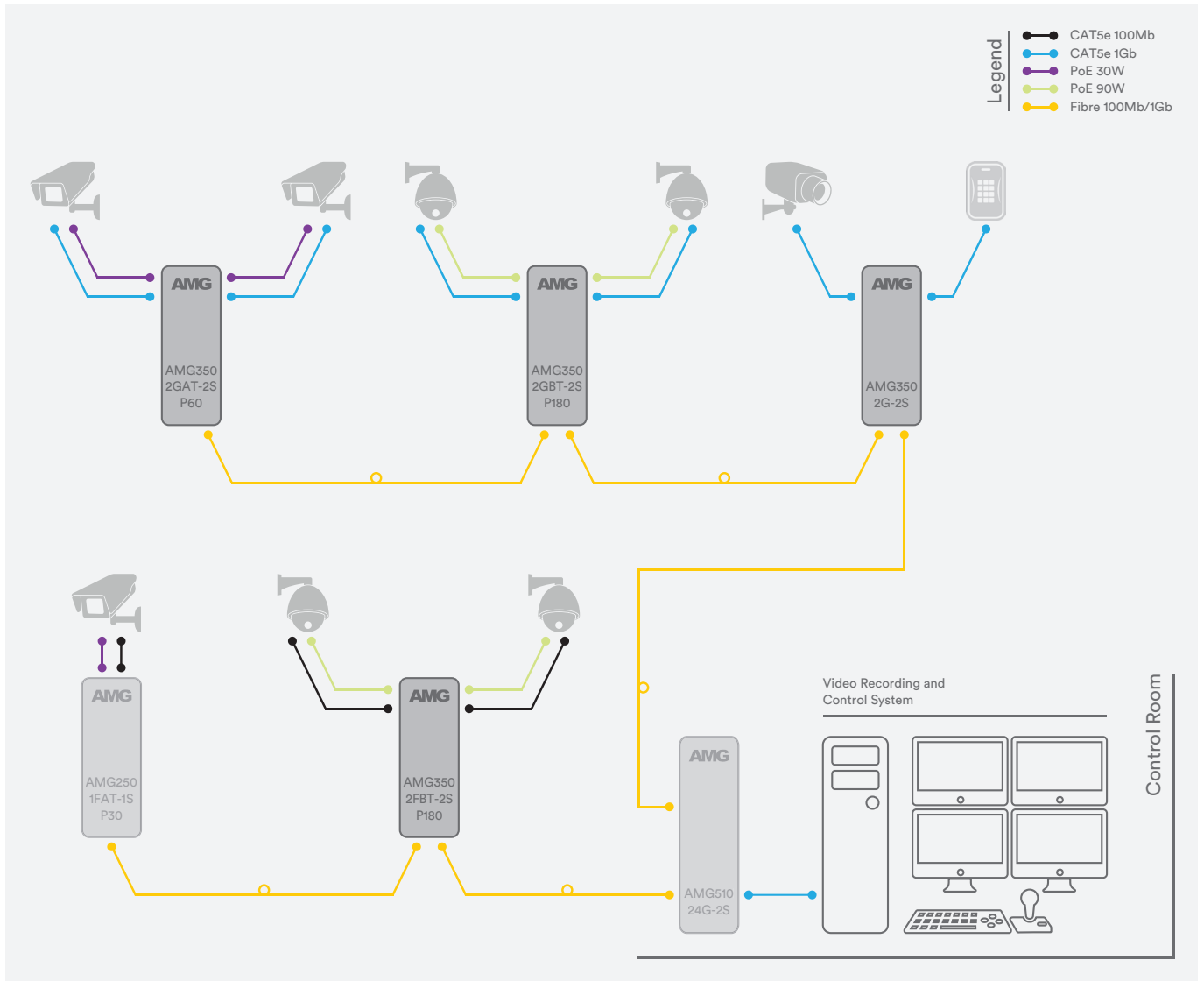
Operating Temp.	-40°C to +75°C
Storage Temp.	-40°C to +85°C
Humidity	5% to 95% (non-condensing)
MTBF	2,573,692 hours
MTBF Standard	Telcordia SR-332 GF 30°C
Heat Dissipation	14 BTU/h
Cooling	Passive Cooling
Noise Level	0 dBA

## 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 61000-4-3 (RS) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-8 (PFMF)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	IEC 60068-2-1 (-40°C Cold) IEC 60068-2-2 (+75°C Hot) IEC 60068-2-14 (Temp Change)
	Reach RoHS WEEE

Designed to meet NEMA TS2 & EN 50121-4

# Application Diagram.



# Part Numbers.

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## 4 Port Unmanaged 100Mb Rack Mount Ethernet Switches

AMG350R-2F-2S      2 × 10/100BaseT(x) RJ45, 2 × 100/1000BaseFx SFP, Rack Mount

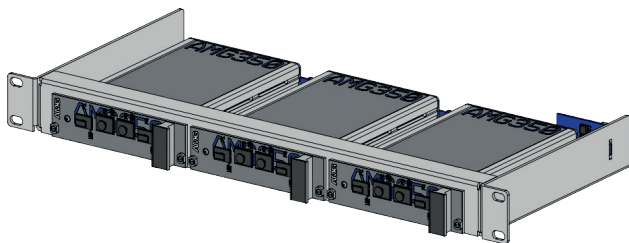
## 4 Port Unmanaged 1Gb Rack Mount Ethernet Switches

AMG350R-2G-2S      2 × 10/100/1000BaseT(x) RJ45, 2 × 100/1000BaseFx SFP, Rack Mount

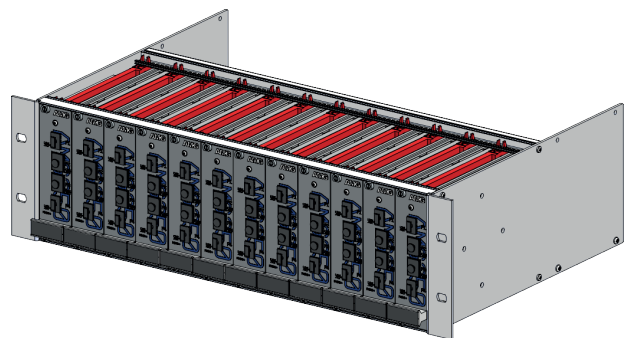
# Recommended Racks.

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AMG2031      1U 19inch 3 Slot Rack With Dual Redundant PSU Inputs, 12-24VDC (Single PSU included. Additional PSU can be ordered separately)  
AMG2015      3U 19inch 12 Slot Rack With Single PSU, 100-240VAC  
AMG2015-DR      3U 19inch 12 Slot Rack With Dual Redundant PSU's, 100-240VAC



AMG2031 - 1U 19inch 3 Slot Rack




AMG2015[-DR] - 3U 19inch 12 Slot Rack

# Notes.

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

Proud to be a British  
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.*

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