# 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.













[ AMG350R Series ]

#### / OVERVIEW

Designed to be installed into the AMG2009, AMG2015 3U or AMG20311U 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 seperately.

#### / 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 10/1001 X 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 × 190 × 50 mm 9.84 × 7.48 × 1.97 in Mechanical.

Casing Anodised Aluminium

Dimensions  $(W \times D \times H)$ 

35 × 172 × 128 mm

 $1.38 \times 6.77 \times 5.04 \text{ in}$ 

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)

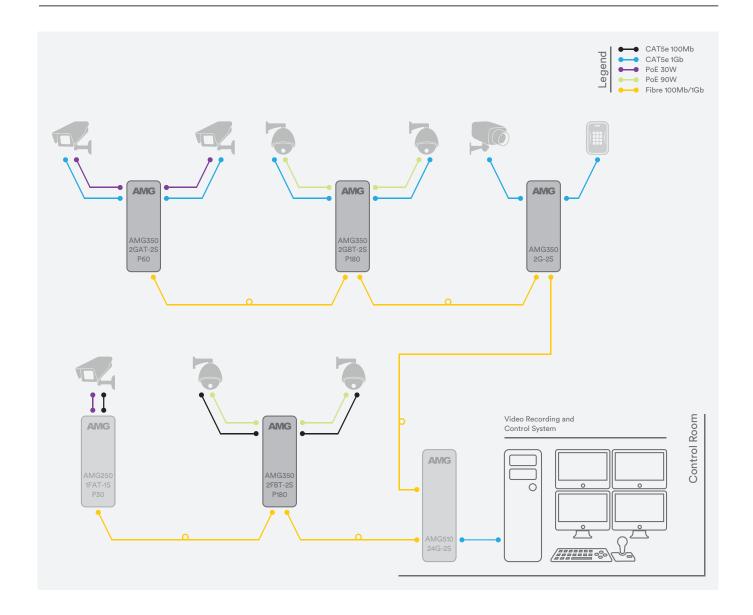
IEC 60068-2-2 (+75°C Hot)
IEC 60068-2-14 (Temp Change)

Reach RoHS WEEE

Designed to meet NEMA TS2 & EN 50121-4



# Application Diagram.





#### Part Numbers.

#### 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.

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





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

## Notes.

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 for the latest product specifications.

