

Gigabit SFP Port
1000M



802.3at PoE+



Gigabit data
rates



Redundant
Power Inputs

-40°C to 75°C
Operating
Temperature

DIN Rail
Mountable

AMG Industrial Hardened Gigabit Unmanaged Switch with PoE+



DESIGNED IN BRITAIN.
MADE IN BRITAIN.

Ruggedised Industrial Ethernet Solutions

Available with 4 Gigabit Ethernet ports, AMG's Unmanaged switches provide a Gigabit Ethernet uplink across fibre via the SFP port.

Every port can automatically sense your type of cable so there is no need for crossover cables whether you are connecting the switch to another switch or a computer and can also automatically sense if the connected network devices are running at 10Mbps, 100Mbps or 1000Mbps and half/full-duplex mode, and adjust accordingly.

With 30W PoE+ on each Ethernet port and housed in a compact chassis, these DIN rail mountable devices are ideally suited for connecting and powering field based equipment such as IP CCTV cameras and industrial controllers to Ethernet networks over long distances using all types of fibre. Fibre connectivity is determined by separate SFP device selection, providing application and site flexibility.

SFPs and PSUs need to be ordered separately.

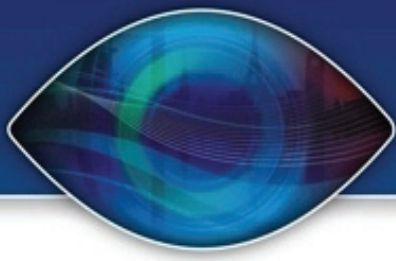
NB These products are not user programmable.



AMG9HMu-4GH-1S

Features

- Compact size – ideal for confined spaces, including camera poles and roadside cabinets
- -40°C to 75°C temperature – maintains performance in extreme conditions
- Non-programmable – no need for any user configuration or computer setup
- DIN rail mountable – quick to install and remove for maintenance
- Gigabit SFP port – supports single and multimode, single or dual fibre options up to 120Km
- Gigabit Ethernet copper ports – high bandwidth support
- Auto MDI or MDI-X config – eliminates the need for crossover cables
- Auto-Negotiation (802.3u) – automatically determines the best connection speed
- Automatic Link Restoration - restores operation when recovering from a temporary fault



Specifications

Standards

IEEE802.3	10BaseT
IEEE802.3u	100BaseTX
IEEE802.3ab	1000BaseT
IEEE802.3z	1000BaseSX/LX
IEEE802.3af	15W PoE
IEEE802.3at	30W PoE+

Processing Type	Store and Forward
Jumbo Frames	10Kbytes

Interface

LED Indicators

Power:	ON = Link; Flashing = Activity
Fiber Link/Activity:	ON = Link; Flashing = Activity
Copper Link/Activity:	ON = Link; Flashing = Activity
PoE	ON = Active

RJ45 Ports	2 or 4x 10/100/1000TX RJ45 with Auto MDI/MDI-X
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SFP Slot	1 x 1000M SFP
Power	1 x 6 pin removable terminal block
Note:	Redundant PSUs are supported with fault alarm

Power

Input and Consumption

PoE	46-56V _{DC}	5W (+ 15W per port)
PoE+	52-56V _{DC}	5W (+ 30W per port)
PSE Modes	Mode A, Mode B	
Protection:	Reverse Polarity, Overload Current	

Mechanical

Casing	Anodised Aluminium
Dimensions	32.1 x 87.5 x 120.4 mm (W x D x H)
IP Rating	IP30
Installation	Wall Mount or DIN-Rail
Weight	0.3kg

Packaging

Shipping Weight	0.52kg
Dimensions	150 x 210 x 40 mm

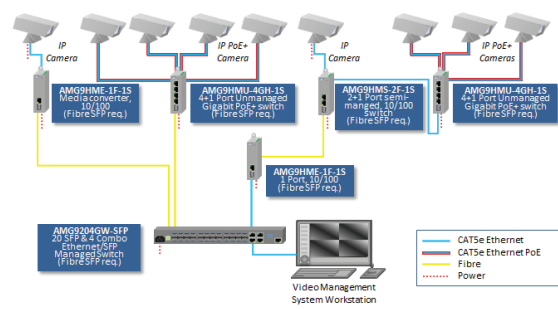
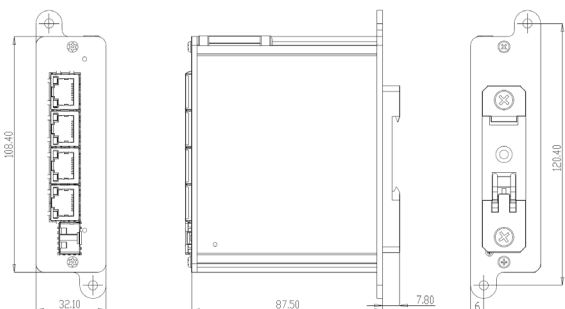
Environmental

Operating Temperature	-40°C to 75°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 90% (non-condensing)
Compliances	Reach, RoHS and WEEE
MTBF (Hours)*	
Without power adaptor	609,000
With power adaptor	337,000

Regulatory

Electrical Safety	CE/EN60950-1
Immunity	EN55022
Emissions	EN61000-3-2

*Calculation model based on PoE version at 30 °C



Part Numbers

Part Numbers

Description

AMG9HML-4GH-1S	4 x 10/100/1000Base PoE+ Ethernet & 1 x 1000Base SFP, -40°C to +75°C. 46-56VDC Power Input
AMG2016	48-56VDC 1.25A, 60W PSU, DIN rail mount (suitable for 4 x 15W PoE or 2 x 30W PoE+)
AMG2019	48-56VDC 1.5A, 120W PSU, DIN rail mount (suitable for 4 x 30W PoE+)

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