

AMG9022GM-H AMG9024GM-H WITH OPTIONAL POE+



Ruggedised Ethernet Solutions

The AMG9022GM-H and AMG9024GM-H are the Ethernet only products in AMG's Multi-Service Ethernet Switch series.



 Gigabit x2	 100/1000 x4	 Mounting DIN/Surface	 Managed Full	 Temp -40~+70°C	 Secure 802.1x
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[AMG9024GM-H]

/ OVERVIEW

Along with other devices in the series, the AMG9022GM-H and AMG9024GM-H offer unique features which will prove of huge benefit when implementing IP based, integrated security systems. It also supports Layer 2 Managed Ethernet functionality.

Both the AMG9022GM-H and AMG9024GM-H have two Gigabit Ethernet ports which can support 30W PoE+. The former has an additional two Gigabit SFP ports and the latter has four Gigabit SFP ports.

The switches uniquely offer a common web-browser interface with the rest of the Multi-Device Ethernet Switch range for configuration of all aspects of the device.

Supporting 10/100/1000Mbps data rates, full duplex, this flexible, compact and easy to use fully managed Ethernet switch also has the benefit of Spanning Tree and Rapid Spanning Tree Protocols, and IGMP functionality to deal with the multicast traffic which is commonly used in IP CCTV deployments.

/ FEATURES

- Standalone and rackmount formats
- 10/100/1000 Mbps full bandwidth Ethernet
- Compliant with all IEEE 802.3 variants (u/ab/x/z)
- Compliant with all relevant Safety and EMC Standards
- Dual Speed SFP (100 and 1000 Mbps)
- Supports RSTP, MSTP, ERPS, SNMP v1-3 and IGMP v1-3
- Supports Flow Control for full duplex and back pressure for half duplex
- Port trunk functionality available with LACP
- IEEE 802.1x Port Security
- Extended operating temperature compared with industry equivalents -40°C to +70°C
- On-board PoE

Specifications.

Standards.

IEEE 802.3i	10Base-T
IEEE 802.3u	100Base-TX, 100Base-FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-X
IEEE 802.3x	Flow Control and Back Pressure
IEEE 802.3ad	Port Trunk with LACP
IEEE 802.3ac	Frame Size Extension
IEEE 802.1d	Spanning Tree
IEEE 802.1w	Rapid Spanning Tree
IEEE 802.1s	Multiple Spanning Tree
IEEE 802.1Q	VLANs
IEEE 802.1x	Port Security
IEEE 802.3at	Power over Ethernet
RFC1112	IGMP v1
RFC2236	IGMP v2
RFC3376	IGMP v3
RFC1305, 5905	Simple Network Time Protocol
ITU-T G.8032	Ethernet Ring Protection Switching
Other	SNMP v1, v2c, v3 DHCP Client (IPv4/IPv6) Traffic Mirroring Per VLAN RSTP LLDP GARP, GMRP, GVRP RADUIS client for IPv4 DNS client for IPv4 TACACS+ client for IPv4
Processing Type	Store-and-Forward
Address Table Size	8K MAC addresses
Bandwidth Control	Ingress Packet Filter and Egress Rate Limit The packet filter rate can be set from 100K to 250Mbps

Interface.

LED Indicators	
Per unit PoE	10/100/1000, FDX/HDX P1, P2
Software Update Configuration	Remote Programmable Web Browser SNMP

Ethernet.

	Auto MDI/MDIX
RJ45 Ports UTP	2x 10/100/1000T
SFP Ports	
AMG9022GM-H	1x 100/1000T / 100/1000X 1x 1000X
AMG9024GM-H	2x 100/1000T / 100/1000X 2x 1000 X

Power.

Input Voltage	DC +12V to +24V
Power Consumption	15 Watts
Reverse Polarity Protection	Yes
Removable Terminal Block	Redundant power supply with alarm
Note: Redundant PSUs are supported	

PoE/PoE+.

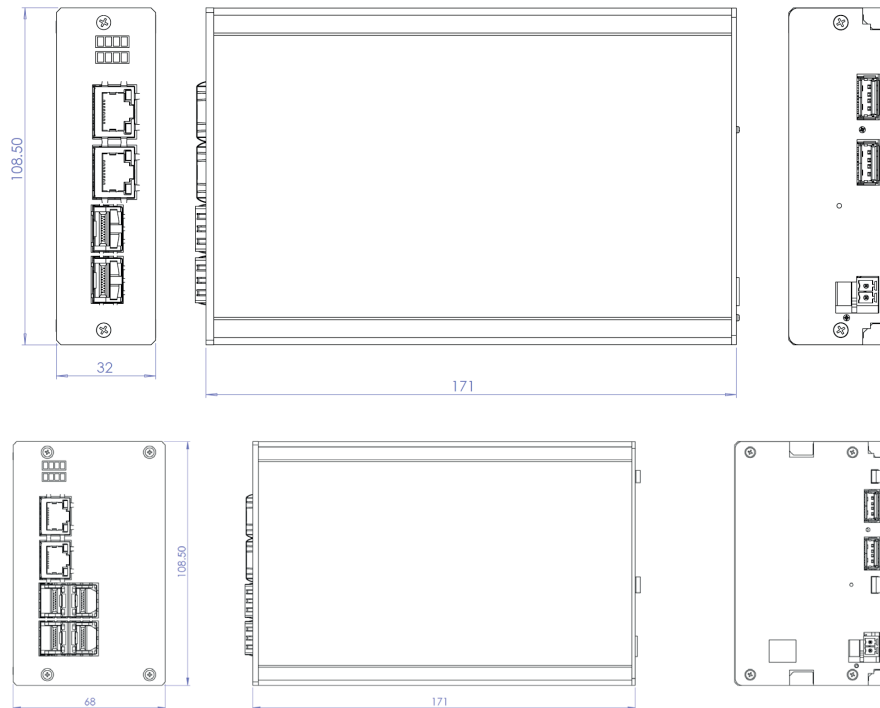
Input Voltage	DC +48 to +56V
Output Power	25.5 to 34.2W
Output Voltage	DC +50V to +57V
Output Current	Max 600mA

Mechanical.

Casing	IP 30 Protection Metal case
Dimensions (W x D x H)	
Standalone	
AMG9022GM-H	35 x 170 x 112 mm
AMG9022GM-HP-H	70 x 170 x 112 mm
AMG9024GM-H	70 x 170 x 112 mm
AMG9024GM-HP-H	70 x 170 x 112 mm
Rackmount	
AMG9022GM-H-R	7HP x 172 mm x 3U
AMG9022GM-HP-H-R	14HP x 172 mm x 3U
AMG9024GM-H-R	14HP x 172 mm x 3U
AMG9024GM-HP-H-R	14HP x 172 mm x 3U
Weight	1kg
Installation	Wall Mount Design (Subrack or DIN-Rail mounted options also available)

Specifications.

General.		Regulatory.	
Operating Temp.	-40°C to +70°C (maximum 65°C with Copper SFP's)	Europe	CE
Storage Temp.	-45°C to +85°C	US	FCC
Ambient Relative Humidity	0% to 95% (Non-condensing)		
MTBF	>730,000 hrs		



Part Numbers.

AMG9022GM-H	2 × 10/100/1000TX + 2 × 100/1000 Dual Speed SFP, -40°C to +70°C
AMG9022GM-HP-H	2 × 10/100/1000TX with 802.3at PoE + 2 × 100/1000 Dual Speed SFP, -40°C to +70°C
AMG9024GM-H	2 × 10/100/1000TX + 4 × 100/1000 Dual Speed SFP, -40°C to +70°C
AMG9024GM-HP-H	2 × 10/100/1000TX with 802.3at PoE + 4 × 100/1000 Dual Speed SFP, -40°C to +70°C

Recommended PSUs.

Non-PoE	AMG2004	15V _{DC} , 24W Power Supply, DIN-Rail mounting.
PoE Variant	AMG2019	48-55V _{DC} , 120W Power Supply, DIN-Rail mounting

Notes.

Rackmount Options are also available, just add '-R' to the end of the part number e.g. AMG9024GM-H-R
 Optional Accessories: SFP modules - Optical/Copper see separate list, need to be ordered separately

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