

AMG9050 series Instruction Manual

5 Port 10/100/1000TX Ethernet Switch with optional PoE

The AMG905 is a rack mountable or standalone unmanaged Ethernet switch providing 5 standard RJ45 ports with up to 1Gb speed supported on each port. Ports 1 to 4 can also provide Power over Ethernet in compliance with the IEE 802.3af or IEE 802.3at standard (depending on power supply variant)

Before You Begin

Read these instructions carefully before installing or operating this product.

Note: This equipment should be installed by a qualified service person and should conform to local and national regulations.

This manual provides installation and operation information. To use this document you must have the following minimum qualifications:

- A basic knowledge of IP networks and configuration.
- A basic knowledge of electrical wiring and low-voltage electrical connections.

Intended Use

Use this product only for the purpose for which it was designed, as described in this manual.



WARNING:
Improper use or deployment of this equipment could cause severe bodily injury or equipment damage

Manufacturer's Declaration of Conformance

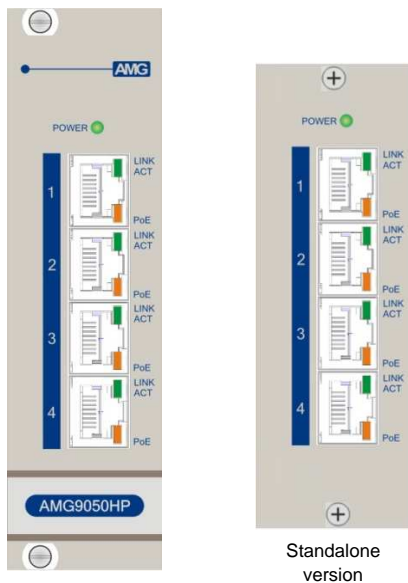
A Declaration of Conformity in accordance with the following EU standards has been made and is kept on file at the address shown on the last page.



The manufacturer declares that the product supplied with this document is compliant with the provisions of the EMC Directive 89/336, the Low Voltage Directive LVD 73/23, the CE Marking Directive 93/68 EEC and all associated amendments.

Connections

FRONT

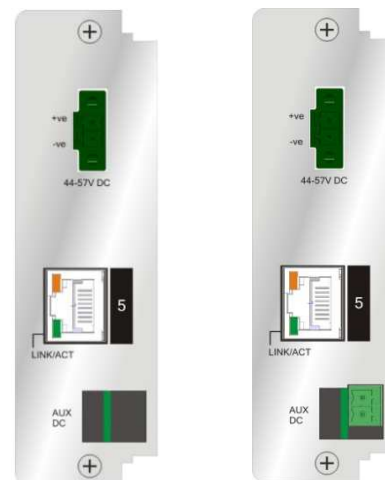


Rack version

Standalone version

- Power LED
- Ethernet Ports 1 to 4
 - Cat5e or better recommended
- Link /Activity LEDs
 - Illuminates when link has been detected, flashes as data is transferred
- PoE LEDs
 - Illuminates when compatible PoE device has been detected

REAR

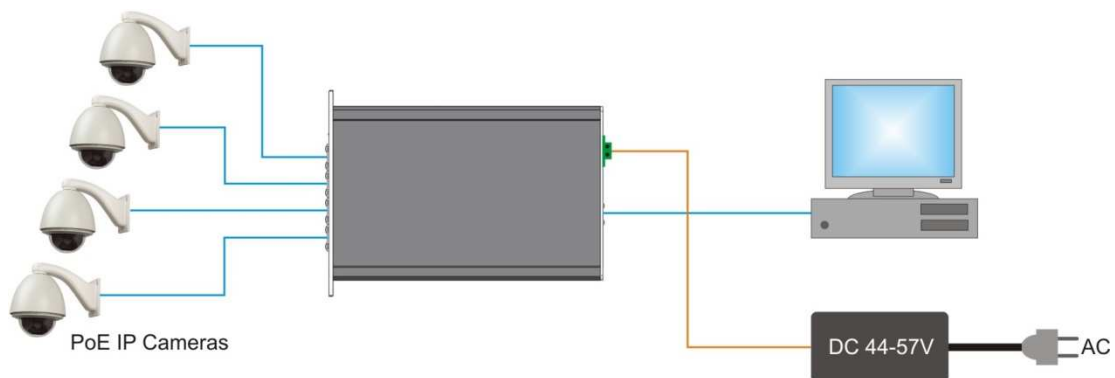


Rack version

Standalone version

- Main power input
 - 48V DC 60Watts max (class II) power supply for IEE 802.3af
 - 56V DC 120Watts max (class II) power supply for IEE 802.3at
 - **Warning correct polarity must be observed (standalone)**
- Ethernet Port 5
 - NB. PoE is not supported on this port
 - Cat5e or better recommended
- Link/Activity LEDs
 - Illuminates when link has been detected, flashes as data is transferred
- Auxiliary Power Input
 - 15V 6.3Watts max (class II) alternative power input for non PoE applications - AMG2001 recommended
 - Mates automatically in AMG subracks
 - **Warning correct polarity must be observed**

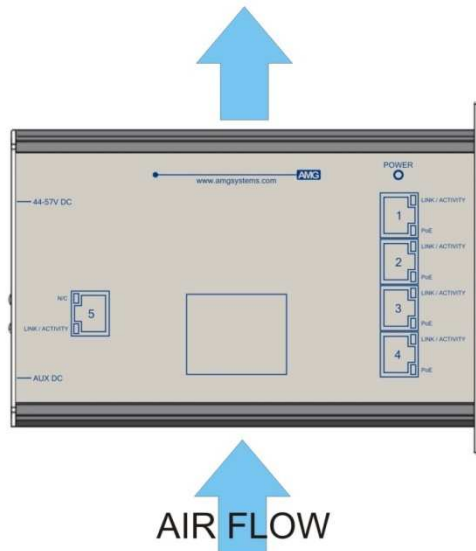
Typical Application




Mounting

The AMG9050 must be securely mounted in an AMG Systems subrack or stand alone by using the optional surface mounting bracket. Ensure a free air space of a minimum of 10mm surrounds the unit and that the cooling slots are not covered. For best performance the unit should be mounted with the cooling slots vertical as shown below:

Warning: This unit must be protected from water ingress



Technical Specifications	PoE+
<p>Standards IEEE 802.3i 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet (PoE+)</p>	<p>Input Voltage: DC +56V nominal 126 Watts max @ 1000Mbps Output Power: 30W max (max load 25.5 W) per port Recommended PSU: Contact AMG Systems</p>
<p>Interface LED Indicators Power (Green) Per Port: 10/100/1000/Act (Green) PoE (Amber)</p>	<p>General Operating Temperature: -20°C to +70°C Storage Temperature: -20°C to +85°C Ambient Relative Humidity: 0% to 95% (Non-condensing)</p>
<p>Ethernet Auto MDI/MDIX 5x RJ45 Ports Front: 4x PoE 10/100/1000T Rear: 1x 10/100/1000T</p>	<p>Mechanical Casing: IP 30 Protection Metal case Dimensions (L x W x D): Standalone 182 x 108 x 32 mm Rack mount 170 x 108 mm x 32mm (3U) Weight: 1kg Installation: Subrack or Wall Mount</p>
<p>AUX Power (no PoE) Input Voltage DC +15V 6.3 Watts max @ 1000Mbps Recommended PSU: AMG2001 PSU</p>	<p>Regulatory CE EN55022 Class A EN61000 Class A</p>
<p>PoE (IEE 802.3af) Input Voltage: DC +48V nominal 65 Watts max @ 1000Mbps Output Power: 15.4W max (max load 12.95 W) per port Recommended PSU: Contact AMG Systems</p>	<p> Support www.amgsystems.com email... support@amgsystems.com Tel..... +44 (0)1767600777</p>
	<p>© AMG Systems Ltd 3 The Omega Centre Stratton Business Park Biggleswade, Bedfordshire United Kingdom SG18 8QB</p>

AMG9050G-HP-H Stand-alone images

Side View



Top View (with wall mounting bracket attached)



Front view inc. Bracket (showing 4x PoE+ Ethernet ports)



Rear view inc. Bracket (showing power connectors and 1x non-PoE Ethernet port)

