

# COMMERCIAL UNMANAGED SWITCHES WITH POE+



## Commercial Ethernet Solutions

The AMG Commercial Unmanaged Ethernet range of switches are designed for small to medium network environments to strengthen network connection. The products are suitable for mounting in 19" cabinets using rackmount kits or underneath a desk.



Gigabit  
up to x24



Gigabit  
x2



PSU  
Mains



Mounting  
Rack

[ AMG9CLU-16GH-P380 ]

### / OVERVIEW

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.

The switches receive and forward traffic seamlessly with non-blocking wire-speed. Every port simultaneously supports full-duplex mode which provides full wire speed to the connected devices and allows maximum network throughput. There is a store-and-forward function which allows the switches to maximise network performance while minimising the propagation of bad network packets.

The PoE units provide a simple solution for supplying full 30 watts of power to edge devices, such as PoE enabled PTZ domes, Access Control etc without the need for extra power supplies.

### / FEATURES

- Provides high power (30 Watt) PoE to Edge edge devices
- Compliant with IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX/100BaseFX, IEEE802.3ab 1000BaseT and IEEE 802.3z 1000BaseSx/LX standards
- SFP module slot can support either multimode or singlemode SFP modules
- 100BaseT and 1000BaseT copper port can support full/half-duplex, autonegotiation, auto-MDI/MDIX eliminating need for RJ-45 crossover cables
- Auto detect of IEEE802.3af/at PoE equipment to provide power
- PoE short circuit and over current protection
- 'Plug-and-play' installation
- Up to 2km on multimode fibre
- Up to 120km on singlemode fibre
- Easy to maintain

# Specifications.

<b>Standards.</b>		<b>Power.</b>	
IEEE802.3	10BaseT	Input	100~240V <sub>AC</sub> , 50~60Hz
IEEE802.3u	100BaseTX/100BaseFX	Output	48-56V <sub>DC</sub> , up to 30W per port
IEEE802.3ab	1000BaseT	<hr/>	
IEEE802.3z	1000BaseSX/LX	<b>Mechanical.</b>	
IEEE802.3x	Flow Control and Back Pressure	Casing	IP30 Protection Aluminium Case
IEEE802.3af	Power over Ethernet (15W)	Dimensions	
IEEE802.3 at	Power over Ethernet+ (30W)	8-port:	280 × 185 × 44 mm
Processing Type	Store and Forward	10-port:	280 × 215 × 44 mm
Address Table Size	8K MAC addresses	16/18-port:	440 × 220 × 44 mm
Buffer Memory	4.1 Mbit	24/26-port:	440 × 220 × 44 mm
Jumbo Frames	up to 9K	Weight	
<hr/>		8-port:	1.9kg
<b>Interface</b>		10-port:	2.3kg
LED Indicators	Power	16/18-port:	3.5kg
Per Port:	Link/Activity, PoE Act/Status	24/26-port:	3.9kg
RJ45 Port	Auto MDI/MDI-X	<hr/>	
	8x, 16x or 24x 10/100/1000BaseT	<b>Environmental.</b>	
Combo/Fibre Port	2x 10/100/1000TX	Operating Temp.	0°C to 40°C
		Storage Temp.	-20°C to 70°C
		Humidity	10% to 90% (non-condensing)
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		<b>Regulatory.</b>	
		Safety	FCC Class A, Class B, CE

## Part Numbers.

AMG9CLU-8GH-P250	8 x 10/100/1000TX with 802.3at PoE (Power budget 250 Watts)
AMG9CLU-8GH-2S-P250	8 x 10/100/1000TX with 802.3at PoE + 2 x 1000M SFP (Power budget 250 Watts)
AMG9CLU-16GH-P380	16 x 10/100/1000TX with 802.3at PoE (Power budget 380 Watts)
AMG9CLU-16GH-2S-P380	16 x 10/100/1000TX with 802.3at PoE + 2 x 1000M SFP (Power budget 380 Watts)
AMG9CLU-24GH-P500	24 x 10/100/1000TX with 802.3at PoE (Power budget 500 Watts)
AMG9CLU-24GH-2S-P500	24 x 10/100/1000TX with 802.3at PoE + 2 x 1000M SFP (Power budget 500 Watts)

## Recommended PSUs.

Units are mains powered