AMG INDUSTRIAL HARDENED MINI MEDIA CONVERTERS



Ruggedised Industrial Ethernet Solutions

AMG's Mini media converters provide a 100Mbps or Gigabit Ethernet uplink across fibre via the SFP port.





OVERVIEW

Housed in a mini chassis, these DIN rail mountable devices are ideally suited for connecting 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 seperately.

FEATURES

- Mini 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 or 100M SFP port supports single and multimode, single or dual fibre options up to 120Km
- Gigabit or 10/100M 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



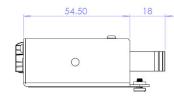
[AMG9HMEC-1G-1S]

Specifications.

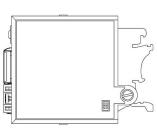
Standards.

IEEE802.3 IEEE802.3u IEEE802.3ab	10BaseT 100BaseTX 1000BaseT	Shipping Weight Dimensions	0.52kg 250 × 200 × 65 mm
IEEE802.3z	1000BaseSX/LX	Environmental.	
Interface.		Operating Temp. Storage Temp.	-40°C to 75°C -40°C to 85°C
LED Indicators Power: Fiber Link/Act:	ON = Link; Flashing = Activity ON = Link; Flashing = Activity	Humidity Compliances Heat Dissipation	5% to 90% (non-condensing) Reach, RoHS and WEEE 10 BTU/h (Non-PoE) 113 BTU/h (30W PoE)
Copper Link/Act: RJ45 Ports	ON = Link; Flashing = Activity 1x 10/100Tx or 1x 10/100/1000TX RJ45	MTBF	310,000 hours
SFP Slot	with Auto MDI/MDI-X 1x 100M or 1x 1000M SFP	Regulatory.	
Power	1x 2 pin removable terminal block	Electrical Safety Immunity Emissions	CE/EN60950-1 EN55022 EN61000-3-2
Power.		Environmental	
Operating Voltage:	12-56V _{DC} (Non-PoE) 48-56VDC (PoE)	Cold:	EN 60068-2-1 Test Ab/Ad to -40°C
Consumption Protection	3W Max (without PoE Load) Reverse Polarity,	Hot:	EN 60068-2-2 Test Bb/Bd to +75°C
	Overload Current	Change in temp: Humidity:	EN 60068-2-14 Test Nb EN 60068-2-56
Mechanical.		Condensation:	Test Cb +55°C/95%RH EN 60068-2-30 Test Db
Casing Dimensions IP Rating Installation Weight	Anodised Aluminium 55 × 55 × 26 mm IP30 Stand-alone or DIN-Rail 0.2kg		RH30°C, 90-100% RH

Packaging.











AMG Systems Ltd. 3 The Omega Centre, Stratton Business Park, Biggleswade, Bedfordshire, SG18 8QB T :: +44 (0) 1767 600 777 E :: sales@amgsystems.com D29427-07

Part Numbers.

AMG9HMEC-1F-1S1 × 10/100Base Ethernet, 1 × 100Base SFP, -40°C to +75°C. 12-56V_{DC} Power InputAMG9HMEC-1G-1S1 × 10/100/1000Base Ethernet, 1 × 1000Base SFP, -40°C to +75°C. 12-56V_{DC} Power InputAMG9HMEC-1FH-1S-P301 × 10/100/1000Base Ethernet, PoE(at), 1 × 1000Base SFP, -40°C to +75°C. 48-56V_{DC} Power InputAMG9HMEC-1F-1SL1 × 10/100/1000Base Ethernet, 1 × 1000Base SFP, -40°C to +75°C. 12-56V_{DC} Power Input + LLFAMG9HMEC-1G-1SL1 × 10/100/1000Base Ethernet, 1 × 1000Base SFP, -40°C to +75°C. 12-56V_{DC} Power Input + LLFAMG9HMEC-1FH-1SL-P301 × 10/100/1000Base Ethernet, PoE(at), 1 × 1000Base SFP, -40°C to +75°C. 48-56V_{DC} Power Input + LLFAMG9HMEC-1GH-1SL-P301 × 10/100/1000Base Ethernet, PoE(at), 1 × 1000Base SFP, -40°C to +75°C. 48-56V_{DC} Power Input + LLF

Recommended PSUs.

AMG2001Standalone PSU, 15V
DC, 15WAMGPSU-I12-P24DIN-Rail mounting PSU, 12V
DC, 24WAMGPSU-I48-P60DIN-Rail mounting PSU, 48-56VDC, 60W

Notes.

Optional Accessories:

LLF:

SFP modules - Optical/Copper see separate list, need to be ordered separately

Link Loss Forwarding - Fibre and Copper Link failure recognition and forwarding to the remote end media converter

