AMG2031
1U 3 SLOT 19-INCH RACK CHASSIS WITH DUAL PSU INPUTS

Industrial 19inch Racks

The AMG2031 is a dual redundant rack chassis for standard 19 inch racks.
The ultra low 1U profile allows for mounting up to 3 x AMG 7HP wide units from the AMG250R & AMG350R Ethernet transmission series or select models from the AMG5000 analogue transmission series.

Mounting Rack	**Temp** -40°C~+75°C	**PSU** x2 Dual

[AMG2031*]

/ OVERVIEW

The AMG2031 rack chassis supports all models from the AMG250R & AMG350R series Industrial Media Converter range as well as select models from the AMG5000 series of analogue video & data transmission.

Each rack supports up to 3 single slot 7HP wide units and occupies only 1U of rack space within the equipment cabinet offering a simple and elegant rack mount solution for space restricted installations.

The rack supports dual redundant DC power supply inputs to provide redundancy and supports hot-swappable replacement of both AMG units and Power Supplies for mission critical applications. A single AMG2002 power supply is included with each rack (for dual redundant use an additional PSU must be purchased seperately).

The dual redundant power supply inputs support a wide 12-24V_{DC} input range.

/ FEATURES

— Up to 3 slots for AMG 7HP Ethernet products and analogue transmission products

— 19inch standard rack-mount size and only 1U high

— Hot-swappable replacement of AMG units and power supplies

— Two redundant power supply inputs

— LED indication for power supply operation to aid installation and system fault diagnosis

— Compatible with any AMG250R or AMG350R model or select models from the AMG5000 series

— Fault relay for notification of power supply failure

— Manufactured in the United Kingdom

— AMG Lifetime Support Warranty

* Individual units not included

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Specifications.

Interface.

LED Indicators	2x Power
Capacity	3 Units
Power Output	3x AMG Card Connectors
Power/Relay	1x 6 pin removable terminal block with locking screws

Power.

Power Inputs	2
Operating Voltage	12-24V_{DC}
Power Consumption	0.5W (excluding individual units)
Output	3x 12-24V_{DC}, 30W Max
Protection	Reverse Polarity, Overload Current
Fault Relay	Form A 60V @ 2A Max

Environmental.

Operating Temp.	-40°C to +75°C
Storage Temp.	-40°C to +85°C
Humidity	5% to 95% (non-condensing)
MTBF	2,573,692 hours
MTBF Standard	Telcordia SR-332 GF 30°C
Heat Dissipation	1.5 BTU/h (excluding individual units)
Cooling	Passive Cooling
Noise Level	0 dBA

Mechanical.

Housing	Aluminium
Dimensions	(W x D x H) Excluding 19inch Brackets 433 × 202 × 44 mm 17.05 × 7.95 × 1.73 in
Installation	19inch Rack (1U) or Desktop
Weight	1.15kg / 2.54lb

Packaging.

Shipping Weight	1.75kg / 3.86lb
Dimensions	(W x D x H) 550 × 320 × 110 mm 21.65 × 12.60 × 4.33 in

Regulatory.

Environmental	Reach, RoHS, WEEE

Part Numbers.

AMG2031	3 slot rack chassis 19inch 1U high with dual redundant power inputs, single AMG2002 PSU

Recommended PSUs.

AMG2002	Desktop Commercial Grade PSU, 15VDC, 30W
AMGPSU-I12-P24	DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C 12VDC, 24W
AMGPSU-I12-P54	DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C 12VDC, 54W

Notes.

Included Accessories	1 x AMG2002 PSU (15v @ 2A), 1 x Region specific line cord (UK / EU / US plug type, depending on region)
NB:	AMG2031 rack is not compatible with every AMG5000 series model. Please check with technical support to confirm compatibility with these models.

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In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit www.amgsystems.com for the latest product specifications.

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