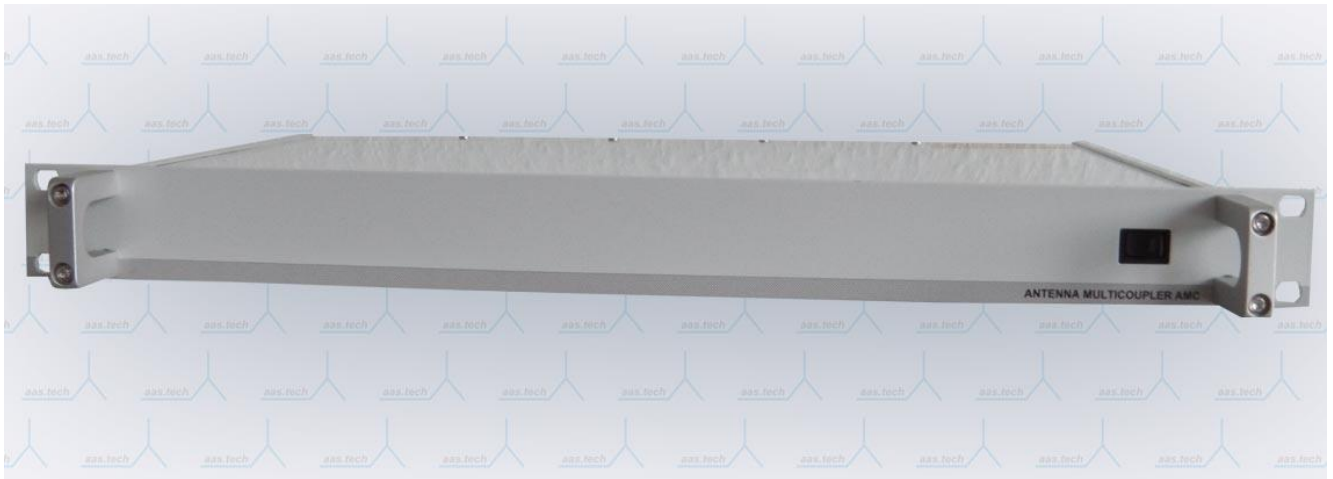


Antenna Distributor AMC A1 Series 1,6 – 30 MHz

The AMC series is a very flexible antenna distribution solution. It is available for various frequency ranges from 10 kHz to 3.6 GHz. This version covers the frequency range from 1.6 MHz to 30 MHz.

The devices are designed for integration into 19-inch racks. Its small footprint allows for flexible integration into the application environment.

In accordance with requirements of customers 4, 8, 12 or 16 outputs can be provided. BNC, N or SMA type output connectors are available. Further customer requirements can be considered.



General Data

Parameter	AMC 4	AMC 8 AMC 12 AMC 16
Dimension slide-in unit (w x h x d)	19" 1 u (44 mm) 280 mm	
Weight	3,6 kg	3,9 kg
Colour of Front Panel	RAL 7035 (light grey)	
Mains Supply	85 – 264 Vac, 48 - 60 Hz	
Power Consumption	8 VA	15 VA
Battery Supply (Option DC)	18 – 36 Vdc, max. 0,5 A	
Ambient Temperature	-10 ... +60°C	
Storage Temperature	-50 ... +80°C	
Relative Humidity <small>Note 1</small>	95%	

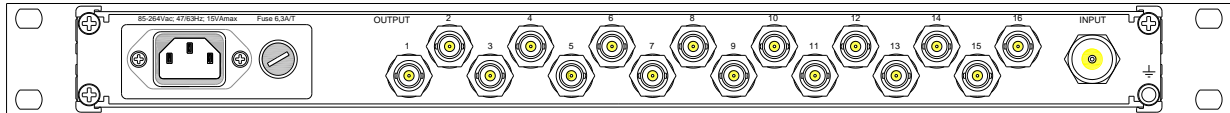
Technical Data

Parameter	AMC 4	AMC 8 AMC 12 AMC 16
Vibration	IEC 60068-2-6	
EMC	Interference Immunity EN 61000-6-1 Interference Emissions EN 61000-6-3	
MTBF	> 60.000 h	> 45.000 h
MTTR (replacement of subunits)	0,5 h	
Frequency Range	1,6 - 30 MHz	
Number of Antenna Inputs	1 N socket	
Number of Outputs	4	8 (AMC 8) 12 (AMC 12) 16 (AMC 16)
Input Impedance	50 Ohm VSWR < 1,5	
Output Impedance	50 Ohm VSWR < 1,5	
Gain	1,5 ± 0,5 dB	2,5 ± 1,0 dB
Noise Figure	< 7,0 dB	< 8,0 dB
Intercept Point IPOP2	> 58 dBm	> 57 dBm
Intercept Point IPOP3	> 40 dBm	> 39 dBm
1 dB Compression	> 13 dBm	
Maximum Signal Level (continuous wave)	22 dBm	
Input Protection (pulse)	2 kV 1,2/50 µsec	
Decoupling between two outputs	> 38 dB	
Decoupling between output and input	> 70 dB	> 85 dB

Note 1:
 Relative humidity valid for the front panel, non-condensing

Data given without tolerance are typical values.
 Design and specification are subject to change without prior notice, errors excepted.

Views



Rear view shows version fully equipped with 16 BNC connectors

Type Designation

Variant	AMC NN C – A1
NN = Number of Outputs	NN = 4: 4 outputs NN = 8: 8 outputs NN = 12: 12 outputs NN = 16: 16 outputs
C = Type of Output Connectors	C = B: BNC connectors C = N: N connectors (max. 8 N connectors) C = S: SMA connectors

Options

Option	AMC NN C – A1 - Option
DC Option	Power Supply with DC input 18 – 36 Vdc Power consumption max. 1 A
AA Option	Remote power supply for Active Antennas (30 Vdc, 150 mA for aas.tech Active Antennas)
Colour of Front Panel	RAL colour code to be specified by customer