

4DA-H, 4-Bay Exposed Dipole Array Antenna

4DA-H series antennas are a family of exposed dipole array antennas. These four dipoles arrays offer good coverage for data and voice radio applications.

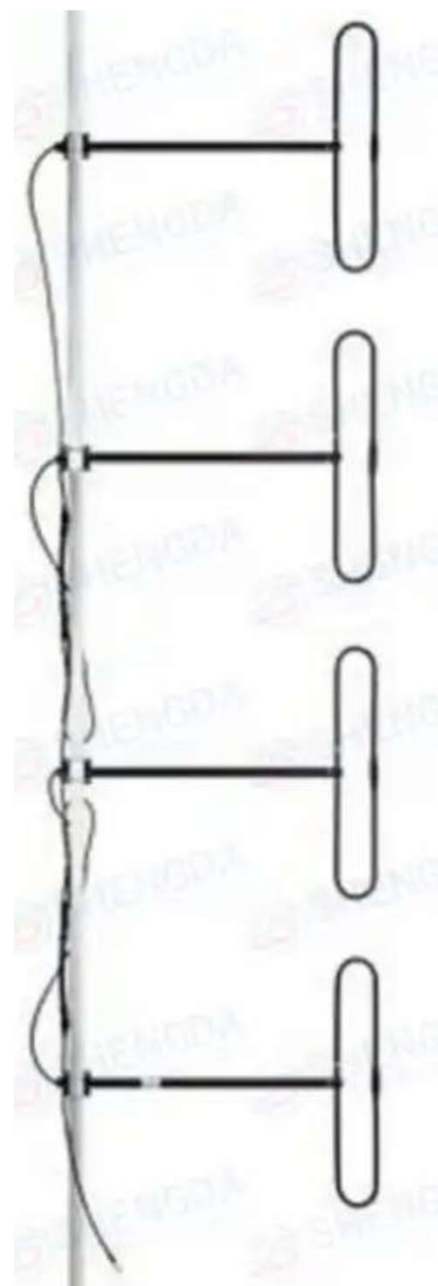
These antennas are well suited for small to large master or slave wireless SCADA, as well as voice repeaters sites and applications.

They can be stacked to provide different arrays, gains and coverage areas, depending the need of the project and required coverage area.

As well, these antenna offer great flexibility by mounting the dipoles in different arrays to achieve larger gain or special radiation patterns

FEATURES

- Rugged Design
- Aluminum Dipoles
- N connector with RG8 Pigtail (M/F)
- Max Power: 500 watts
- VSWR: less than 1.5:1
- Bandwidth: 10 Mhz
- Stainless Steel Mounting Hardware
- Mounting Hardware up to 2" pole
- Easy installation and stacking
- Lightning Protection: DC Ground
- Wind Survival: 175 M.P.H.



Shown with mast.
Mast not included.

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Electrical Specifications

Frequency Range	138-174 Mhz Antennas ship tuned to customer's center frequency
Dipoles	4
Patterns	Circular offset, Bidirectional, Cardioid
Bandwidth	10 Mhz
VSWR	1.5:1
Gain Offset	9 dB
Gain Omni	6 dB
Impedance	50 ohms
F/B Ratio	>15 dB
Max Input Power	500 watts
Polarization	Vertical
Lightning protection	All Elements DC Ground
Beamwidth, Horizontal	180° / 360°
Beamwidth, Vertical	17°
Optional Beam Tilt	0° -15° Electrical beam tilt requires consultation with our engineering department and has an additional cost Standard model is shipped at 0° Beam Tilt

Mechanical Specifications

Dipoles Material	High Strength Corrosion Resistant Aluminum
Maximum Dimensions	Length: 5000 mm Deep: 100 mm Width: 670 mm
Maximum Weigth	12 Kg
Connector ** add connector gender to model	N Male / N Female with RG-8 cable pigtail
Mounting Mast Diameter	40-60 mm
Wind Survival	280 Km/hr (175 MPH)
Cable Harness Type	RG-8 Coax Cable
Operational Temperature	-20°C to +70°C