

FM-OMNI-5-V



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Fluidmesh 5dBi Omni Antenna V-polarized

The FM-OMNI-5-V omnidirectional base station antenna design utilizes a linear array, encapsulated in a heavy-duty fiberglass radome with a thick-walled mounting base for reliable, long term use. This rugged design withstands harsh environments, making the antennas ideal for Industrial Wireless and Military applications. The antennas in this series are DC grounded for ESD protection of radio components.



Features

- UV-stable, black fiberglass radome (0.625" diameter)
- Black chrome plated mounting base
- DC grounded design
- Fully sealed IP67 design
- N-Female connector
- Wind rated 125 mph
- Temperature -40°C to +85°C

Specifications

Dimensions	20,9 x 139 mm (0.825 x 5.5')
Weight	124 g (0.27 lb)
Housing Material	Black UV-Stable Pultruded Fiberglass (0.625" diameter)
Frequency Range	5.1-5.9 GHz
Nominal Gain	4 dBi
VSWR	< 1.5:1
Elevation Half Power Beamwidth	42°
Maximum Power	20 Watt
Nominal Impedance	50 Ohm
Bending Moment at Rated Wind	0.30 lbf-ft
Lateral Thrust at Rated Wind	1.31 lbf
Equivalent Flat Plate Area	0.02 ft ²

PRODUCT CODES

FM-OMNI-5-H	5 dBi Horizontal polarization omnidirectional antenna
FM-OMNI-5-V	5 dBi Vertical polarization omnidirectional antenna
FM-OMNI-5-KIT	Kit containing 1 x FM-OMNI-5-V and 1 x FM-OMNI-5-H antenna, 5 dBi Single Polarization