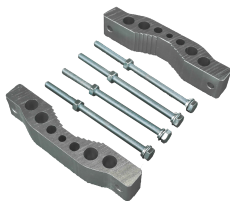
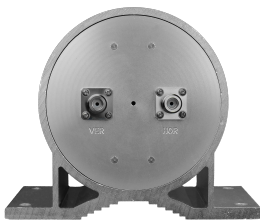


**Model: HW-OD9-6D-NF
900MHz 6dBi Omni Antenna**



Description

The Hana Wireless HW-OD9-6D-NF is an industry first. It is a professional high gain, dual polarized, outdoor omni directional antenna designed and optimized for use in the 900MHz frequency band. This innovative antenna has two N-Type female ports, one for horizontal polarization and the other for vertical polarization, within the design of a single antenna. This antenna is designed to work with the Ubiquity Rocket M900 and Cambium PMP 450i.

The construction of the HW-OD9-6D-NF features a rugged UV resistant PVC radome giving it long lasting durability in outdoor environments. The antenna is supplied with an integral robust universal adjustable mounting bracket with U-bolts for mounting on poles up to 5.12-inches in diameter.

Applications

- 900MHz ISM band
- Wireless Internet Provider (WISP)
- Point-to-Multi-point (PtMP)
- Non-line-of-sight (NLOS)
- SCADA

Features

- High performance design
- Excellent external antenna for
 - Ubiquity Rocket M900
 - Cambium PMP 450i
- Compact size
- Engineered for reliability
- Lightweight design

Electrical Specifications

Frequency Range MHz	824 - 960
Gain, Typ dBi	5.5 (V Pol) / 6 (H Pol)
Polarization	Vertical & Horizontal
Horizontal HPBW (-3dB) Degree	360
Vertical HPBW (-3dB) Degree	33
Electrical Downtilt Degree	0
Front-to-Back Ratio dB	N/A
Cross-polarization Ratio dB	> 22 (V Pol) / 15 (H Pol)
VSWR, Typ/Max	1.5:1 / 1.7:1
Return Loss, Typ/Max dB	14 / 11.7
Port-to-Port Isolation dB	< -30
Input Power, Max W	50
Impedance Ohms	50

Mechanical Specifications

RF Connector Type	N-Type Female
RF Connector Quantity	2
RF Connector Position	Bottom
Electrical Grounding	DC Short
Radome Material	UV PVC/ABS
Radome Color	Gray
Ingress Protection	IP66 NEMA 4
Wind Load, Frontal MPH (km/h)	41 ft/lb (182N) @ 100 (160)
Wind Speed, Max. MPH (km/h)	150 (242)
Temperature Range F° (C°)	-40 (-40) to +140 (60)

Bracket Specifications

Material Type	Aluminum Diecast
Mechanical Tilt Degree	N/A
Mounting Type	Pipe Mount
Mounting Pole Diameter in (mm)	2.7 (70) to 5.12 (130)

Antenna Dimensions

Length in (mm)	38 (965)
Width in (mm)	5.6 (142)
Depth in (mm)	5.6 (142)
Weight, with Bracket lb (kg)	16 (7.2)

Package Dimensions

Package Quantity	1 per Carton
Length in (mm)	41.9 (1065)
Width in (mm)	9.05 (230)
Depth in (mm)	7.7 (195)
Weight lb (kg)	20 (9)

Wireless That Works