

HD4-2400

LOW PROFILE HEAVY DUTY WIFI ANTENNA

PRODUCT OVERVIEW

The HD4-2400 is a heavy-duty WiFi antenna for fixed M2M and mobile applications. This omni-directional antenna operates in the frequency range of 2400-2485 MHz, with a peak gain of 4 dBi. It is a low-profile solution for environments that are subject to physical wear and tear. Impact from a car tire passing overhead or damage caused by an animal in an agriculture setting are examples of durability tests this antenna handles.

This heavy-duty WiFi antenna is enclosed in a durable overmolded radome for weather protection and impact resistance. It is ground plane independent, therefore no ground plane is required for proper operation. It has a 57-degree vertical beamwidth and a 360 degree horizontal beamwidth, giving this product effective capability for omni-directional WiFi coverage.

Visit our [eStore](#) to customize an Antenna online.

Electrical Specifications		
Frequency & Gain	2400 - 2485 MHz, 4 dBi Peak Gain	
Bandwidth	Horizontal Beamwidth (Azimuth)	360°
	Vertical Beamwidth (Elevation)	57°
Electrical Uptilt	30° Max on Ground Plane	
Polarization	Vertical	
VSWR	2:1 Max	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	

Mechanical Specifications	
Radome Material & Color	Black UV Stable Polyamide, Available in Black
Radome Dimension	2.75" (70 mm) in Diameter & 0.60" (15 mm) in Height
Net Weight	8 oz (0.5 lbs) (226 g)
Standard Connector	SMA Plug (Male), Other Connectors Available Upon Request
Standard Cable	3 FT (914 mm) of LL-195, Other Cable Lengths Available Upon Request
Mounting	5/8"-24 x 0.50" (16 mm Diameter x 12mm Thick) Threaded Stud
Operating Temperature	-40° to +80° C
Storage Temperature	-40° to +90° C
Shock and Vibration	EN 61373, IEEE1478, MIL-810G
Weather Proof	IP67 (When Properly Mounted)
RoHS Compliant	Yes



HD2-2400-3C-BLK-36

Approx. Frequency | 2400
WiFi Cable/Connector | 3C
Color | B
Cable Length (in inches) | 36

HIGHLIGHTS:

- Low-Profile WiFi Coverage 2.4 GHz
- Ground Plane Independent
- Overmolded for Weather & Impact Resistance
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- SMD-W-2 (2x MIMO WiFi 2.4 & 5 GHz)
- SMD-W-3 (3xMIMO WiFi 2.4 & 5 GHz)
- RM3-2400 (RM Series, Same Freq)
- NXD-W (4x WiFi at 2.4 & 5 GHz)
- MRM3-2400/5500 (2.4 & 5 GHz)

COMMON APPLICATIONS:

- Precision Agriculture
- WiFi Networks & Hotspots
- Industrial IoT



US Headquarters +1.847.671.6690 • US/CA Toll Free +1.800.648.2800
European Facility +44.1543.459555 • www.MobileMark.com

Moving Wireless Forward®