

## Low Profile Heavy Duty WiFi 2.4 GHz Antenna



HD4-2400 Antenna

- 2.4 GHz antenna with durable overmolded radome
- High Impact resistant or rollover
- Ground plane independent

The HD4-2400 is a heavy duty WiFi antenna designed for fixed M2M applications. This omni-directional antenna operates in the frequency range of 2400-2485 MHz, with a peak gain of 4 dBi.

This antenna is a low profile antenna that is ideal for providing WiFi M2M capability in environments where the antenna is regularly subjected to physical wear and tear. Impact from a car tire passing overhead or damage caused by an animal in an agricultural setting are examples of durability tests that this antenna is designed to handle.

Measuring only .52" (1.3 cm) high and 2.75" (6.89 cm) in diameter, the HD4-2400 is a compact antenna that can easily be mounted to almost any surface. There is a 5/8-24 x .50 (1.27cm) threaded stud at the base of the antenna where it is mounted, and standard low loss-195 cable with an SMA plug is routed through for connection. Custom lengths are also available.

The heavy duty WiFi antenna is enclosed in an overmolded radome made out of black UV stable polyamide, which provides a durable housing that is also UV resistant.

The HD4-2400 is ground plane independent, meaning there is no ground plane requirement for proper operation. The heavy duty WiFi antenna has a 57 degree vertical beamwidth and a 360 degree horizontal beamwidth, giving this product effective capability for omni-directional WiFi coverage.

Model #	Frequency
HD4-2400-3C-BLK-36	2.4-2.5 GHz
Model # indicates 36" of Cable - 3Ft	
Available in black only	

### Specifications

Frequency:	2400-2485 MHz
Gain:	4 dBi peak
VSWR:	Less than 2:1
Operating Temp:	-40° to +80° C
Nominal Impedance:	50 ohm nominal
Vertical Beamwidth (Elev):	57° Elevation
Horizontal Beamwidth (Az):	360° Azimuth
Maximum Power:	10 watts
Polarization:	Vertical
Radome Material:	Black UV Stable Polyamide

Mounting:	5/8 - 24 x .50 (1.27cm) threaded stud
Dimensions:	.52" (1.3cm) H x 2.75" w (6.89cm)
Net Weight:	8oz (1/2 lbs) (226g)
Pigtail Cable :	LL-195, 3 feet (92 cm), request longer lengths at time of order
Pigtail Connector:	SMA Plug (Male), others available, please specify
Shock & Vibration:	EN 61373, IEEE1478, MIL-810G
Water Ingress:	IP67