

HD4-2400 Low Profile Heavy Duty WiFi Antenna



HD4-2400 Antenna

- 2.4 GHz antenna with durable overmolded radome
- Designed to be surface mounted
- 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 threaded stud at the base of the antenna where it is mounted, and standard RF-195 cable with an SMA plug is routed through for connection. The product comes standard with 3 feet (9.14 cm) of RF-195 cable, but custom cable lengths are 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 120 degree vertical beam-width 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		
<u>Cable Options:</u>	<u>Connector Options:</u>	<u>Color Options:</u>
<u>Code</u> <u>Cable</u>	<u>Code</u> <u>Connector</u>	<u>Code</u> <u>Color</u>
3 RF-195	C SMA	BLK Black

Specifications			
Frequency:	2400-2485 MHz	Mounting:	5/8 - 24 x .50 threaded stud
Gain:	4 dBi peak	Net Weight:	.60" H x 2.75"w 8oz (1/2 lbs) (226g)
VSWR:	Less than 2:1	Pigtail Cable :	RF-195, 1 foot (305 mm), request longer lengths at time of order
Operating Temp:	-40° to +80° C	Pigtail Connector:	SMA Plug (Male), others available, please specify
Nominal Impedance:	50 ohm nominal	Shock & Vibration:	EN 61373, IEEE1478, MIL- 810G
Vertical Beamwidth (Elev):	120°	Water Ingress:	IP67
Horizontal Beamwidth (Az):	360°		
Maximum Power:	10 watts		
Polarization:	Vertical		
Radome/Mount:	1.0" diameter x 2.35" high		
Radome Material:	Black UV Stable Polyamide		