



Multiband 2.4/4.9-6 GHz & GPS
 (White shown, black also available)

Surface Mount Multi-band 2.4, 4.9-6 GHz & GPS

- Stud mounts easily to roof, trunk or bulkhead
- High performance GPS with 26 dB active amplifier
- Operates 2.4/5 GHz & 4.9 Public Safety Bands

This multiband Stud mount antenna integrates several broadband/ data networks with GPS. The antenna operates on 2.4 WiFi, 5 GHz WiFi, and GPS. The antenna will also operate on 2.4 Video Surveillance, and 4.9 GHz for Public Safety Broadband. The antenna is excellent for any application needing a secure and stealthy antenna.

The design uses a 5/8" feed thru (1.6 cm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The GPS feed of the antennas are outfitted with 15 feet (4.5 m) of RG-174 cable & SMB or SMA connectors. All connectors are male (plugs). The broadband cable is 15 feet of Low Loss-195 cable (4.5 m).

GPS performance is 26 dB, with 5 dBi antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics. Power for the GPS amplifier (2.7-5 VDC) and signal is applied through the same cabling directly to the GPS circuit.

The dome portion of the antenna measures 2.85" D x 1.45" H total (7.2 cm x 3.7 cm). It is made of weatherproof ASA Resin, which is a strong, durable outdoor material with UV stable properties. The antenna is supplied with a weatherseal gasket for the underside and mounting nut.

Model Configurator

DM-W15- - -

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12 or 180)

Example: DM-W15-3A2C-WHT-180

Also available as a Mag-mount.

Mag-mount option: MGD-W15-3A2C-WHT-180

Cable Options:

Code	Cable
1	RG-58
2	RG-174
3	LL-195

Connector Options:

Code	Connector
A	TNC
B	Mini UHF
C	SMA
D	SMB

Color Options:

Code	Color
WHT	White
BLK	Black

(Other Configurations available.)

Specifications

Frequency:	2.4/4.9-6 GHz	2.4/5 GHz	LL-195, 15 ft (4.5 m)
Gain:	2.5 dBi	Surface mount Case:	2.85"D x 1.45"H (7.2 cm x 3.7 cm)
GPS	1575 MHz	Mag-mount Case:	3.75" D x 1.9"H (9.5 cm x 4.6 cm)
GPS Gain:	26 dB LNA 5 dBi nominal RHCP Antenna	Case Material:	White or black ASA
VSWR:	2:1 max over range	Stud Mounting:	5/8" dia x 3/4" long (1.6 cm x 1.9 cm) for 3/8" thick (9.5 mm) metal
Noise Figure:	2.0 dB max, 1.7 dB typical	Hardware:	Locknut and gasket included
Operating Temp:	-40° to +80° C	Connector:	See above, others available
Nominal Impedance:	50 Ohm	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Maximum Power:	10 Watts	Water Ingress:	IPx7
Amplifier Bias:	2.7 to 5 VDC		
Current:	20 mA max, 10 mA typical		
Cable:			
GPS	RG-174, 15 ft (4.5 m)		