

## Low Profile GPS Multi-band Antenna

The Z3400 GPS Multi-Band antenna features an attractive modern design in a rugged low profile housing. This antenna offers GPS plus quad-band coverage of global cellular frequency bands and a separate WiFi channel.

### Features

- Double RF coaxial feeds: GSM/CDMA/UMTS (1) and 2.4 GHz Wi-Fi (1)
- GPS coaxial feed (1)
- Stylish low profile housing provides “omnidirectional” performance and adequate overhead clearance for trouble-free installation
- Metal 3/4-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- Protective cable braid for added tolerance to extreme temperatures
- IP67 compliant design with custom over molded gasket provides added protection against water or dust ingress under severe environmental conditions\*



## Electrical Specifications - RF Antennas

Model	Operating Frequencies	Polarization	Nominal Impedance	Typical Gain (dBi) No Cable / With Cable	Max. VSWR	Max. Power
Z3400						
GSM/CDMA/ UMTS	806-960 MHz 1710-2170 MHz	Vertical, linear	50 ohms	3 / 1.3 4 / 1.4	< 2.2:1 < 2.0:1	20 Watts
2.4 GHz Wi-Fi	2.3-2.6 GHz	Vertical, linear	50 ohms	3.9 / 1.0	< 2.0:1	10 Watts

## Mechanical Specifications

Housing	Dimensions	Coax (3)	Connectors
UV resistant, Black Plastic	5.1" x 4.95" x 1.7" (129.6 x 125.8 x 43.1 mm)	15 feet PFP195 (RF feed) 15 feet PFP195 (WiFi feed) 15 feet RG-174/U (GPS feed)	RP SMA Plug (Male) RP SMA Plug (Male) SMA Plug (Male)

## Environmental Specifications

Operating / Storage Temperature	Weight	Ingress Protection	Humidity
-40°C to +85°C	1.96 lbs	IP67*	95%

\* when installed per manufacturer's installation instructions on a roof top surface

\*\* Measured on a 2x2 foot ground plane.

## Electrical Specifications GPS Antenna

Frequency Band: 1575.42 +/- 1MHz (GPS L1)
Amplifier Gain without Antenna Element: 26 dB +/- 3
Nominal Impedance: 50 ohms
Noise Figure (25°): 1.8 typical
VSWR: 1.5:1 typical
DC Current @ 5 Volts: 20 mA Nominal < 30 mA @ -40°C to +85° C (Filter Out-Of-Band)
DC Voltage: 3-5 V (regulated)
Grounding Protection: DC grounded
Filtering: Hybrid (including pre-selector)
Out-Of-Band Signal Rejection: 40 dB @ +/- 50 MHz typical