

LLPG508

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

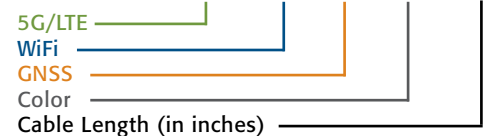
The 5-cable LLPG508 (2x Global 5G/LTE, 2x WiFi 6E, GNSS) antennas include two Global 5G Sub-6 LTE antennas, two WiFi antennas, and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for both Cellular and WiFi. The GNSS element operates on GPS, Galileo, Glonass, QZSS, or Beidou at 1561, 1575, & 1602 MHz.

This Global LTE antenna covers: 617-960 & 1710-6000 MHz. In the US, this includes the CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz, Band 71 at 617-698 MHz, and all C-Band Frequencies from 3.4-4.2 GHz. The WiFi 6E (802.11ax) element is backward compatible with earlier generations of the 802.11 protocol. If you are looking for a low-profile 5G Ready antenna, this is the solution you've been looking for!

The LLPG508 takes up less space than multiple antennas and is effective in applications where tall vehicles have specific height restrictions. Otherwise, it is used in Fixed Site Applications where vandalism is a risk. Visit our [eStore](#) to purchase an Antenna Online.



LLPG508-3C3C3C3C2C-BLK-180



Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 - 2	617 - 700 MHz, 1 dBi
		700 - 960 MHz, 3 dBi
	WiFi Cables 3 - 4	1700 - 2700 MHz, 4 dBi
		3400 - 4200 MHz, 6 dBi
	GNSS Cable 5	4900 - 6000 MHz, 6 dBi
WiFi		2.4-2.5 GHz, 4 dBi
		4.9-7.2 GHz, 5 dBi
GNSS		1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2.5:1 VSWR	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Bias Voltage	2.7 to 5 VDC
	Gain	26 dB, 5 dBi
	Current	20 mA max, 10 mA typical

HIGHLIGHTS:

- Multiband: 2x 5G Sub-6, 2x WiFi 6E, 1x GNSS
- Cellular Coverage 617-6000 MHz
- WiFi 6E Coverage up to 7.125 GHz
- Low Profile
- Made-in-the-USA & UK

RELATED MODELS:

- LLP508 (GPS Model)
- LTMG508 (Same Freq, LTM Model)
- LLPG502 (694 - 3700 MHz LTE Coverage)
- LTMWG942 (4x 5G/LTE, 2x WiFi 6E, 1x GNSS)
- MXFG508 (Same Freq, MaxFin Model)
- CVWG508 (2x 5G/LTE, 2x WiFi 6E, 1x GNSS)

COMMON APPLICATIONS:

- Advanced Multiband Modems
- Tall Vehicles with Height Restrictions
- Fixed Site with Vandalism Risks

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Radome Dimension	9.00" (228 mm) x 3.50" (89 mm) x 1.25" (31.8 mm) in Height
Standard Connectors	SMA Plugs (Male)
Cables	15 Feet (4.5 m) Cables: LL-195 for LTE/5G & WiFi, RG-174 for GNSS, Other Lengths Available
Operating Temperature	-40° to +80° C
Mounting	Thru Hole, Ground Plane Dependent
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)
RoHS Compliant	Yes



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