

LLPG708

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 7-cable LLPG708 (2x Global 5G Sub-6, 4x WiFi 6E, GNSS) antennas include two Global 5G Sub-6 antennas, four WiFi 6E 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.

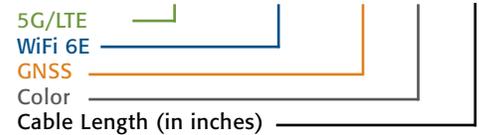
This 5G Sub-6 antenna covers: 617-960 & 1710-6000 MHz. In the US, this includes the CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz. The WiFi 6E (coverage up to 7.125 GHz) element is backward compatible with earlier generations of the 802.11 protocol. If you are looking for a low-profile 5G Ready antenna, this is the solution you've been looking for!

The LLPG708 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 customize an Antenna Online.



LLPG708-3C3C3C3C3C2C-BLK-180



Electrical Specifications

Frequency & Gain	5G/LTE Cables 1 - 2	617 - 700 MHz, 1 dBi 700 - 960 MHz, 3 dBi 1700 - 2700 MHz, 4 dBi 3400 - 4200 MHz, 6 dBi 4900 - 6000 MHz, 6 dBi
	WiFi 6E Cables 3 - 6	2.4-2.5 GHz, 4 dBi 4.9-7.2 GHz, 5 dBi
	GNSS Cable 7	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

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
Water Ingress	IP67 (When Properly Mounted)
RoHS Compliant	Yes

HIGHLIGHTS:

- Multiband: 2x 5G Sub-6, 4x WiFi 6E, 1x GNSS
- Entire C-Band Included
- Low Profile
- Made-in-the-USA & UK

RELATED MODELS:

- LLP708 (GPS Only Model)
- MXFG708 (Low Profile, Same Elements)

COMMON APPLICATIONS:

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



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