

# LLPG709

## PRODUCT OVERVIEW

The 7-Cable LLPG709 (2x Sub-6 5G LTE, 4x WiFi 6E, GNSS) Antenna includes two Cellular 5G LTE 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. The Sub-6, 5G ready antenna covers: 617-960 & 1710-6000 MHz.

The WiFi6e Standard allows for MU-MIMO (multi-user, multiple-input and multiple-output). As such, this antenna could provide 4x MIMO on a single WiFi6E modem or 2x MIMO on two WiFi 6E ready modems.

Measuring 9.00" (228cm) in length by 3.50" (8.9cm) wide with a low profile of 1.25" (31.8cm) in height, the LLPG709 takes up significantly less space than multiple antennas. This low profile antenna is effective in applications where tall vehicles have specific height restrictions. Otherwise it is used in Fixed Site Applications where vandalism is a risk.

Please Specify LLP709 for the GPS version of this model.

Visit our eStore to customize a Low Profile Antenna Online.

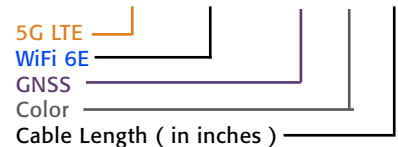
Electrical Specifications		
Frequency & Gain	Sub-6, 5G LTE Cables 1 & 2	617-960 MHz, 0-3 dBi 1710-6000 MHz, 4 dBi
	WiFi 6E Cables 3 - 6	2.4-2.5 GHz, 4 dBi 4.9-7.2 GHz, 5 dBi
	GNSS Cable 7	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi
VSWR	< 2.5:1	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain & Bias Voltage	26 dB 2.7 to 5 VDC
	Noise Figure	2.0 dB max, 1.7 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Stable Plastic, Available in Black or White
Radome Dimension	9.00" ( 22.8 cm ) x 3.50" ( 8.9 cm ) x 1.25" ( 3.18 cm )
Standard Connectors	SMA Plugs ( Male )
Cables 1 - 6	Separate LL-195, 15 ft ( 457cm )
GNSS Cable 7	RG-174, 15 ft ( 457cm )
Operating Temperature	-40° to +80° C
Mounting	Thru Hole, Ground Plane Dependant
Shock & Vibration	IEEE1478, EN 61373, MIL-810G TIA329.2-C
Water Ingress	IP67 When Properly Mounted



## LOW PROFILE ANTENNA

LLPG709-3C3C3C3C3C2C-BLK-180



## HIGHLIGHTS:

- Multiband:  
2x Sub-6 LTE, 4x WiFi6E, 1x GNSS
- 5G ready for 617-6000 MHz
- Covers WiFi 6E: 2.4, 5, 6 GHz
- Made-in-the-USA & UK

## RELATED MODELS:

- LLPG708  
( 600-6000 MHz, 5G & WiFi)
- LLP709  
( GPS Model )

## COMMON MARKETS:

- Tall Vehicles with  
Height Restrictions
- Fixed Site with Vandalism Risks
- Settings Requiring Discreet,  
Low Profile Installations



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