

LLPWG801



PRODUCT OVERVIEW

The LLPWG801 is a 8-cable antenna with 2x5G Sub-6 Cellular, 4xWiFi and 2xGNSS. With 8-elements, the LLPWG801 antenna provides a good match for the dual carrier modems that contain two pairs of LTE MIMO elements, one pair for each carrier. These fleet management systems offer Cellular carrier back-up. The 4xWiFi elements provide faster through-put for the advanced WiFi processors.

The LLPWG801 covers all Global Cellular & LTE frequencies including CBRS, Private LTE and band 71. Specifically, the Cellular/LTE element covers: 617-960 & 1710-6000 MHz; the WiFi elements cover 2.4-2.5 GHz, 4.9-6.0 GHz.

The entire antenna unit measures 9" (22.8cm) x 3.5" (8.9cm) with a low profile of 1.25" (3.18cm). Furthermore, the LLPWG801 is a perfect fit for surface mounted applications that require combined functionality for several wireless frequencies.

Specify **LLPW801** for a GPS-only unit instead of the multi-system GNSS antenna LLPWG801. GNSS operates on GPS, Galileo, Glonass, QZSS & Beidou at 1561, 1575 & 1602 MHz with a gain of 5 dBi and 26 dB amplifier.

This antenna is not available as a mag-mount.

LLPWG801 Low Profile 5G Sub-6 Cellular, WiFi & GNSS

- 8-cables: 2x5G Sub-6 Cellular, 4xWiFi, 2xGNSS
- Cellular coverage from 617 MHz - 6000 MHz
- Available with GNSS or GPS-only

LLPWG SERIES SPECIFICATIONS

		
Part Number:	LLPWG801	
Frequency Range/ Gain:	Cable 1 & 2 (5G LTE):	617-960 MHz, 2 dBi 1710-6000 MHz, 5 dBi
	Cable 3, 4, 5 & 6 (WiFi):	2.4-2.5 & 5-6 GHz, 4 & 5 dBi
	Cable 7 & 8 (GNSS):	1561, 1575 & 1602 MHz, 26 dB, 5 dBi
VSWR:	2:1 VSWR over Range	
Impedance:	50 Ohm Nominal	
Maximum Power:	10 Watts	
GNSS	Amplifier Bias: 3.3/5 VDC Noise Figure: 2.0 dB max, 1.7 dB typical Current: 20 mA max, 10 mA typical	
LLPWG Dimensions:	9" x 3.5" x 1.25" (22.8cm x 8.9cm x 3.18cm)	
Radome Material:	ASA UV-Stable Plastic	
Operating Temperature:	-40° to +80° C	
Connectors, standard:	SMA Plugs (male) standard	
Cable:	Cable 1-6: LL-195, 15 ft (4.5m) Cable 7 & 8 (GNSS): RG-174, 15 ft (4.5 meters)	
Mounting:	Stud mount (5/8-24 Thread) Mounts to surfaces .20" (5mm) thick	
Shock & Vibration:	IEEE1478, EN61373, MIL-801G, TIA 329.2-C	
Water Ingress:	IP67	
Operating Temp:	-40 degrees to +85 degrees	

Product Information:

Example: LLPWG801-3C3C3J3J3J2C2C-BLK-180

Specify "LLPW" instead of "LLPWG" for GPS-only option