

4 Cellular, 5 Wi-Fi, 1 GPS Combination Antenna
4 SMA, 5 RP SMA, 1 TNC Connector White

LCANOM1129



Features

- 5 x Cellular 4G/5G SMA Male
- 5 x Wi-Fi 2.4 GHz / 5 GHz RPSMA Male
- 1 x GPS L1 / G1 TNC Male
- MIMO Capable
- 17 ft Cable Leads
- Indoor/Outdoor IP69K Rated
- UV Stabilized White ABS

Applications

- Public Safety
- Emergency Services
- Mobile Base Stations
- Autonomous Vehicles
- Fleet Management
- Smart Cities
- Smart Utilities
- Industrial IoT

Description

The L-com LCANOM1129 is a 10-in-1 combination antenna designed for public safety, emergency services, mobile base stations, autonomous vehicles, fleet management, smart cities, smart utilities, or industrial IoT applications. This vertically polarized omnidirectional antenna has TNC male, SMA male and RPSMA male connectors with 17 feet cable leads. Our high-quality mobile antenna with 10 ports has a typical input VSWR of 2:1.

The IoT combination antenna from L-com has an overall length of 7 inches, width of 7 inches, and weight of 4 lbs. This LCANOM1129 mobile antenna is IP69K-rated and has a black-colored radome made of UV-stabilized ABS. The 4 cellular, 5 Wi-Fi, 1 GPS combination antenna has an impedance of 50 Ohms and a maximum input power of 10 Watts.

Our vertically polarized mobile antenna can operate at temperatures ranging from -40 to 70 degrees C. This MIMO-capable IoT antenna features four 4G/5G, five 2.4/5 GHz, and one L1/G1 GPS band elements in one radome. Emergency services, first responders, and fleets can rely on our 10-in-1 combination antenna to maintain a secure link between vehicles and dispatch centers.

Configuration

Design	Mobile
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Male
Interface 2	SMA Male Reverse Polarity
Interface 3	TNC Male
Number of Ports	10

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR		2:1		
Impedance		50		Ohms
Gain		26		dBi
Input Power			10	Watts

4 Cellular, 5 Wi-Fi, 1 GPS Combination Antenna
4 SMA, 5 RP SMA, 1 TNC Connector White



LCANOM1129

Cellular Specifications

Frequency Range	617 - 960	1690 - 2700	3300 - 4200	4900 - 6000	MHz
Peak Gain	4	6	7	8	dBi
Port Count	4				
Cable Type	RG58				
Cable Length	17 [5]				
Connector Type	SMA Male				

Wi-Fi Specifications

Frequency Range	2400 - 2500	4900 - 6000	MHz
Peak Gain	5	6	dBi
Port Count	5		
Cable Type	RG58		
Cable Length	17 [5]		
Connector Type	RPSMA Male		

Mechanical Specifications

Radome Material UV Stabilized ABS

Size

Length 7 in [177.8 mm]
Width 7 in [177.8 mm]
Height 3.15 in [80.01 mm]
Weight 4 lbs [1.81 kg]

Environmental Specifications

Temperature

Operating Range -40 to +70 deg C
Ingress Protection IP69K

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

4 Cellular, 5 Wi-Fi, 1 GPS Combination Antenna
4 SMA, 5 RP SMA, 1 TNC Connector White



LCANOM1129

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

4 Cellular, 5 Wi-Fi, 1 GPS Combination Antenna 4 SMA, 5 RP SMA, 1 TNC Connector White from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/iot-mobile-antenna-omnidirectional-tnc-connectors-white-lcanom1129-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

LCANOM1129 CAD Drawing

4 Cellular, 5 Wi-Fi, 1 GPS Combination Antenna 4 SMA, 5 RP SMA, 1 TNC Connector White

