

4 Cellular, 1 GPS Combination Antenna 4 SMA, 1 TNC Connector White

Description

The Fairview Microwave FMANOM1123 is a 5-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 SMA male and TNC male connectors with 17 feet cable leads. Our high-quality mobile antenna with 5 ports has a typical input VSWR of 2:1.

The IoT combination antenna from Fairview Microwave has an overall length of 7 inches, width of 7 inches, and weight of 4 lbs. This FMANOM1123 mobile antenna is IP69K-rated and has a black-colored radome made of UV-stabilized ABS. The 4 cellular, 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, and one L1/G1 GPS band elements in one radome. Emergency services, first responders, and fleets can rely on our 5-in-1 combination antenna to maintain a secure link between vehicles and dispatch centers.

Configuration

Design	Mobile
Polarization	Vertical
Connector Type	SMA Male
Interface 2	TNC Male
Number of Ports	5

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR		2:1		
Impedance		50		Ohms
Input Power			10	Watts



Features:

- 4 x Cellular 4G/5G SMA 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

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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				

GPS Specifications					
Frequency Range		1562 - 1612			MHz
VSWR		<2.0:1 ± 4 MHz			
LNA Gain		26			dB
Out of band rejection		>40 dB (@ > +/- 100 MHz)			
Typical Noise Figure		≤ 2.7			dB
Notch Filter rejection @787MHz		24			dB
Operating Voltage		3 - 5			VDC
Typical Current		15			mA
Cable Type / Length		RG174 / 17 ft [5 m]			
Connector Type		TNC 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, 1 GPS Combination Antenna 4 SMA, 1 TNC Connector White from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Cellular, 1 GPS Combination Antenna 4 SMA, 1 TNC Connector White FMANOM1123](#)

URL: <https://www.fairviewmicrowave.com/dbi-band-mobile-antenna-tnc-connector-fmanom1123-p.aspx>

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