

9-in-1 Cellular, Wi-Fi, GPS Combination IoT Antenna FAKRA Jack ABS Radome Black IP69K

The Fairview FMANOM1095 is a 7-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 color-coded FAKRA female connectors with 17 feet cable leads. Our high-quality mobile antenna with 7 ports has a typical input VSWR of 2:1.

The IoT combination antenna from Fairview has an overall length of 7 inches, width of 7 inches, and weight of 4 lbs. This FMANOM1095 mobile antenna is IP69K-rated and has a white-colored radome made of UV-stabilized ABS. The 4 cellular, 2 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, two 2.4/5 GHz, and one L1/G1 GPS band elements in one radome. Emergency services, first responders, and fleets can rely on our 7-in-1 combination antenna to maintain a secure link between vehicles and dispatch centers.

Configuration

Design	Mobile
Polarization	Vertical
Connector Type	FAKRA Female
Number of Ports	9

Electrical Specifications

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



Features:

- 4 x Cellular 4G/5G
- 4 x Wi-Fi 2.4 GHz / 5 GHz
- 1 x GPS L1 / G1
- MIMO Capable
- Color coded FAKRA Jack
- 17 ft Cable Leads
- Indoor/Outdoor IP69K Rated
- UV Stabilized Black 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]				ft [m]
Connector Type	FAKRA Jack				
Connector Color	Bordeaux				
Connector Code	D				
Wi-Fi Specifications					
Frequency Range	2400 - 2500		4900 - 6000		MHz
Peak Gain	5		6		dBi
Port Count	4				
Cable Type	RG58				
Cable Length	17 [5]				ft [m]
Connector Type	FAKRA Jack				
Connector Color	Beige				
Connector Code	I				
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	FAKRA Jack				
Connector Color / Code	Blue / C				

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:

9-in-1 Cellular, Wi-Fi, GPS Combination IoT Antenna FAKRA Jack ABS Radome Black IP69K 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: [9-in-1 Cellular, Wi-Fi, GPS Combination IoT Antenna FAKRA Jack ABS Radome Black IP69K FMANOM1096](#)

URL: <https://www.fairviewmicrowave.com/dbi-band-mobile-antenna-fakra-connector-fmanom1096-p.aspx>

The information contained in 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

