

617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector Black

The FMANOM1056 Wi-Fi 6e Omni Antenna from Fairview Microwave is a high performance omnidirectional antenna designed for the 617 MHz to 7125 MHz bands and is available to ship same day. It is a UV protected, outdoor rated antenna with omni-directional pattern. The FMANOM1056 is ideally suited for 802.11 protocols including 802.11ax as well as IoT, Zigbee and Bluetooth.

The Fairview Microwave high performance omni FMANOM1056 is a rugged antenna providing broad coverage, low latency, increased network capacity and 3 dBi gain. This NMO omnidirectional antenna is suitable for commercial radios and access points in public and private networks that are equipped with NMO Type connectors.

This Wi-Fi 6e FMANOM1056 omni antenna with NMO connectors, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

| | |
|-----------------|----------|
| Design | Omni |
| Gain | 2 dBi |
| Polarization | Vertical |
| Connector Type | NMO |
| Number of Ports | 1 |

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|------|-------|-------|
| Frequency Range | 617 | | 7,125 | MHz |
| Input VSWR | | | 2.5:1 | |
| Impedance | | 50 | | Ohms |
| Gain Variation | | ±0.5 | | dBi |
| Input Power | | | 100 | Watts |

Specifications by Frequency

| Description | Band 1 | Band 2 | Band 3 | Band 4 | Band 5 | Units |
|-------------------|------------|------------|--------|--------|--------|---------|
| Range | 0.617-0.96 | 1.71-7.125 | | | | GHz |
| Gain | 2 | 5 | | | | dBi |
| Horiz. Beam Width | 360 | 360 | | | | Degrees |
| Vert. Beam Width | 60 | 45 | | | | Degrees |

Mechanical Specifications

| | |
|-----------------|---------------------|
| Radome Material | UV Resistant ABS |
| Size | |
| Length | 3.75 in [95.25 mm] |
| Width | 1.6 in [40.64 mm] |
| Height | 1.6 in [40.64 mm] |
| Weight | 0.45 lbs [204.12 g] |



Features:

- NMO Connector
- Vertical Polarization
- Outdoor Rated Omnidirectional Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 5 dBi gain
- 100 Watt Max Power

Applications:

- Infotainment systems, Routers, Wi-Fi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- IoT, Industrial IoT, Zigbee, Bluetooth, Wi-Fi

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Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Humidity 5 to 95

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

Plotted and Other Data

Notes:

617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector Black 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: [617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector Black FMANOM1056](#)

URL:

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.

