



Sierra Wireless AirLink® Antenna: 6-in-1 Dome

AirLink® Antenna: 6-in-1 Dome

The 6-in-1 Dome has been tested and certified to operate with AirLink LTE routers and gateways.

It has a low profile design that contains six isolated high performance antenna elements in a single housing for optimal coverage; two ultra-wideband elements spanning 698-2700MHz support MiMo/diversity at LTE frequencies; a high performance GNSS antenna with an integrated 26dB gain LNA, and three dualband 2.4/5GHz Wi-Fi elements that provide 3x3 MiMo Wi-Fi.

The antenna is ground plane independent, and maintains a high level of performance even when mounted on a non-metallic surface.

| | | Specification | |
|--------------------------|------------------|------------------------|--------|
| PART NO. | | 6001121 | |
| ELECTRICAL DATA | | | |
| Frequency Range | Elements 1 & 2 | 698-960 / 1710-2700MHz | |
| | Elements 3,4 & 5 | 2.4/4.9-6GHz | |
| Operational Bands | Elements 1 & 2 | 2G/3G/4G LTE | |
| | Elements 3,4 & 5 | 2.4/5.0GHz Wi-Fi | |
| Peak gain: Isotropic | Elements 1 & 2 | 698-960MHz | 2.3dBi |
| | | 1710-2700MHz | 5dBi |
| | Elements 3,4 & 5 | 2.4/4.9-6.0GHz | 2dBi |
| Isolation | Cellular | > 15dB | |
| Correlation Co-efficient | < 0.1 | | |
| Polarisation | Vertical | | |
| Impedance | 50Ω | | |
| Max Input Power | 25W | | |

| | | Specification |
|---------------------------|-------------|-----------------------------|
| GPS/GNSS DATA | | |
| Frequency Range | Element 6 | 1562-1612MHz |
| VSWR | | <2:1 ± 4MHz |
| Gain: LNA | | 26dB |
| Operating Voltage | | 3-5V DC |
| Approval | | E11 |
| Current | | <20mA |
| MECHANICAL DATA | | |
| Dimensions | Height | 62mm (2.4") |
| | Diameter | 176mm (6.7") |
| Operating Temp | | -30° / +80°C (-22° / 176°F) |
| Material | | ASA & Diecast Aluminium |
| Colour | | White |
| Ingress Protection | | IP66 |
| Weight | | 1282g |
| MOUNTING DATA | | |
| Mounting Type | | Bolt Mount |
| Mounting Hole | | 19mm (3/4") |
| CABLE DATA | | |
| Cell / LTE Cables | Type | CS29 |
| | Length | 5m (16ft) |
| | Termination | SMA Plug |
| GPS Cable | Type | RG174 |
| | Length | 5m (16ft) |
| | Termination | SMA Plug |
| Wi-Fi Cables | Type | CS32 |
| | Length | 5m (16ft) |
| | Termination | RP-SMA Plug |

About Sierra Wireless

Sierra Wireless is building the Internet of Things with intelligent wireless solutions that empower organizations to innovate in the connected world. We offer the industry's most comprehensive portfolio of 2G, 3G, and 4G embedded modules and gateways, seamlessly integrated with our secure cloud and connectivity services. OEMs and enterprises worldwide trust our innovative solutions to get their connected products and services to market faster.

For more information, visit www.sierrawireless.com.