



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

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Tested and certified to operate with AirLink routers and gateways, the 6-in-1 SharkFin has a compact OEM style housing that contains 2x2 MiMo antenna function for 2G, 3G, and 4G LTE frequencies, an active antenna for GNSS with 26dB gain LNA and offers dual band 3x3 MiMo Wi-Fi (2.4/5.0GHz) in a compact package.

| | | Specification |
|--|-------------------|--|
| PART NO. | | 6001197 |
| ELECTRICAL DATA | | |
| Frequency Range | Elements 2 & 3 | 698-960, 1710-2170, 2500-3800MHz |
| | Elements 4 & 5 | 2.4 / 4.9-6.0GHz |
| | Element 6 (Whip) | 2.4 / 4.9-6.0GHz |
| Operational Bands | Elements 2 & 3 | 2G/3G/4G LTE |
| | Elements 4, 5 & 6 | 2.4/5GHz Wi-Fi |
| Peak gain: Isotropic* | Elements 2 & 3 | 2dBi (698-960MHz), 5dBi (1710-3800MHz) |
| | Elements 4, 5 & 6 | 4dBi (2.4GHz), 6dBi (5.8GHz) |
| Isolation with 4m/13' CS29 | Cellular | > 11dB |
| | Wi-Fi | > 19dB |
| Typical Efficiency w/o Cable Loss | Elements 2 & 3 | > 50% |
| Correlation Co-efficient | Elements 2 & 3 | < 0.2 |
| Polarisation | | Vertical |
| Pattern | | Omni-directional |
| Impedance | | 50Ω |
| Max Input Power | | 25W |

* Excluding cable loss

| | | Specification |
|------------------------|-------------------------|-------------------------------|
| GPS/GNSS DATA | | |
| Frequency Range | Element 1 | 1562-1612MHz |
| VSWR | | <2:1 ± 4MHz |
| Gain: LNA | | 26dB |
| Polarisation | | Right Hand Circular |
| Operating Voltage | | 3-5V DC |
| Approval | | E11 |
| Current | | <20mA |
| MECHANICAL DATA | | |
| Dimensions | Height (including whip) | 118mm (4.6") |
| | Height (excluding whip) | 50mm (2.2") |
| | Length | 170mm (6.77") |
| | Width | 60mm (2.4") |
| Operating Temp | | -40° / +80° C (-40° / 176° F) |
| Material | | ASA, EPDM, Aluminium Alloy |
| Colour | | Black |
| Ingress Protection | | IP66 |
| Weight | | 1282g |
| MOUNTING DATA | | |
| Mounting Type | | Bolt Mount |
| Mounting Hole | | 19mm (3/4") |
| CABLE DATA | | |
| Cell / LTE Cables | Type | CS29 |
| | Length | 4m (13ft) |
| | Termination | SMA Plug |
| GPS Cable | Type | CS29 |
| | Length | 4m (13ft) |
| | Termination | SMA Plug |
| Wi-Fi Cables | Type | CS32 |
| | Length | 4m (13ft) |
| | Termination | RP-SMA Plug |

For more information contact us:



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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 <https://usatcorp.com/sierrawireless>