



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

### AirLink® Antenna: 6-in-1 SharkFin

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

\* Excluding cable loss

		Specification
<b>GPS/GNSS DATA</b>		
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
<b>MECHANICAL DATA</b>		
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
<b>MOUNTING DATA</b>		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
<b>CABLE DATA</b>		
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

#### 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](http://www.sierrawireless.com).