



## 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, and an active antenna for GNSS with 26dB gain LNA. Mounted via the integral SMA (f) mount, the portable antenna spans 2.4/5.0GHz and, the SharkFin offers dual band 3x3 MiMo Wi-Fi (2.4/5.0GHz) in a compact package.

		Specification
PART NO.		6001117
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

Sierra Wireless  
 AIRLINK® ANTENNA:  
 6-IN-1 SHARKFIN

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>	Element 1	1562-1612MHz
<b>VSWR</b>		<2:1 ± 4MHz
<b>Gain: LNA</b>		26dB
<b>Polarisation</b>		Right Hand Circular
<b>Operating Voltage</b>		3-5V DC
<b>Approval</b>		E11
<b>Current</b>		<20mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height (including whip)	118mm (4.6")
	Height (excluding whip)	50mm (2.2")
	Length	170mm (6.77")
	Width	60mm (2.4")
<b>Operating Temp</b>		-40° / +80°C (-40° / 176°F)
<b>Material</b>		ASA, EPDM, Aluminium Alloy
<b>Colour</b>		Black
<b>Ingress Protection</b>		IP66
<b>Weight</b>		1282g
<b>MOUNTING DATA</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting Hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cell / LTE Cables</b>	Type	CS29
	Length	4m (13ft)
	Termination	SMA Plug
<b>GPS Cable</b>	Type	RG174
	Length	4m (13ft)
	Termination	SMA Plug
<b>Wi-Fi Cables</b>	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).

Sierra Wireless, the Sierra Wireless logo, AirLink, and the red wave design are trademarks of Sierra Wireless. Other registered trademarks that appear on this brochure are the property of the respective owners. © 2017 Sierra Wireless, Inc. 2017.05.15

