



## Sierra Wireless AirLink® Antenna: 4-in-1 SharkFin

### AirLink® Antenna: 4-in-1 SharkFin

Tested and certified to operate with AirLink routers and gateways, the 4-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 Wi-Fi (2.4/5.0GHz) in a compact package.

		Specification
PART NO.		6001198
ELECTRICAL DATA		
Frequency Range	Elements 2 & 3	698-960, 1710-2170, 2500-3800MHz
	Element 4	2.4 / 4.9-6.0GHz
Operational Bands	Elements 2 & 3	2G/3G/4G LTE
	Element 4	2.4/5.0GHz Wi-Fi
Peak gain: Isotropic	Elements 2 & 3	2dBi (698-960MHz)   5dBi (1710-3800MHz)
	Element 4	4dBi
Isolation with 5m 16' CS29	Cellular	> 11dB
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

		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>	Total Height	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>Weight</b>		923g
<b>Ingress Protection</b>		IP 66
<b>MOUNTING INFO</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Hole Mounting</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	CS29
	Length	4 (13ft)
	Termination	SMA Plug
<b>Wi-Fi Cables</b>	Type	CS32
	Length	4 (13ft)
	Termination	RP-SMA

#### 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).