



## Sierra Wireless 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 functions for 2G, 3G, and 4G LTE frequencies, an active antenna for GNSS with 26dB gain LNA and dual band Wi-Fi (2.4/5.0GHz) in a compact package.

		Specification
PART NO.		6001198
ELECTRICAL DATA		
Frequency Range	3G/4G Elements	698-960, 1710-2170, 2500-3800MHz
	Wi-Fi Element	2.4 / 4.9-6.0GHz
Peak gain: Isotropic	3G/4G Elements	2dBi (698-960MHz)   5dBi (1710-3800MHz)
	Wi-Fi Element	4dBi
Isolation with 5m 16' CS29	Cellular	> 11dB
Typical Efficiency w/o Cable Loss	3G/4G Elements	> 50%
Correlation Co-efficient	3G/4G Elements	< 0.2
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power		25W

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>		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>	<b>Total Height</b>	50mm (2.2")
	<b>Length</b>	170mm (6.77")
	<b>Width</b>	60mm (2.4")
<b>Operating Temp</b>		-40° / +80°C (-40° / 176°F)
<b>Material</b>		ASA, EPDM, Aluminium Alloy
<b>Color</b>		Black
<b>Weight</b>		923g
<b>Ingress Protection</b>		IP 66
<b>MOUNTING INFO</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting Hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cell / LTE Cables</b>	<b>Type</b>	CS29
	<b>Length</b>	4m (13ft)
	<b>Termination</b>	SMA Plug
<b>GPS Cable</b>	<b>Type</b>	CS29
	<b>Length</b>	4 (13ft)
	<b>Termination</b>	SMA Plug
<b>Wi-Fi Cable</b>	<b>Type</b>	CS32
	<b>Length</b>	4 (13ft)
	<b>Termination</b>	RP-SMA

**About Sierra Wireless**

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

For more information, visit [www.sierrawireless.com](http://www.sierrawireless.com).