



## Sierra Wireless Antenna – 4-in-1 Panel

The 4-in-1 Panel has been tested and certified to provide MiMo LTE and accurate positioning for AirLink routers.

The compact, robust low profile housing is ground plane independent, weatherproof and contains two antenna elements with effective isolation and correlation covering all current global cellular and LTE bands in frequency range 698-960/1710-3800MHz. It also contains an active GNSS antenna for positioning or timing function and a single Wi-Fi element that makes it ideal for IoT applications.

		Specification	
<b>PART NO.</b>		6001285	
<b>ELECTRICAL DATA</b>			
<b>Frequency Range</b>	3G/4G Elements	698-960 / 1710-3800MHz	
	Wi-Fi Elements	2.4/4.9-6GHz	
<b>Peak gain: Isotropic*</b>	3G/4G Elements	698-960MHz	2dBi
		1710-3800MHz	5dBi
	Wi-Fi Elements	2.4GHz	4dBi
		5.0GHz	6dBi
<b>Isolation</b>	3G/4G Elements	>12dB	
	Wi-Fi Elements	>20dB	
<b>Typical Efficiency*</b>	3G/4G Elements	>50%	
<b>Correlation Co-efficient</b>	3G/4G Elements	<0.2	
<b>Pattern</b>	Omni-directional		
<b>Impedance</b>	50Ω		
<b>Max Input Power</b>	25W		

\*Simulated off a groundplane and does not include cable attenuation

GNSS DATA		
<b>Frequency Range</b>		1562-1612MHz
<b>VSWR</b>		<2:1 ± 4MHz
<b>LNA Gain</b>		26dB
<b>Polarisation</b>		Right Hand Circular
<b>Operating Voltage</b>		3-5V DC
<b>Typical Current</b>		<20mA
MECHANICAL DATA		
<b>Dimensions</b>	<b>Height</b>	50mm (2.2")
	<b>Length</b>	150mm (5.90")
	<b>Width</b>	44mm (1.47")
<b>Operating Temp</b>		-40° / +80°C(-40° / 176°F)
<b>Material</b>		ASA
<b>Color</b>		Black
<b>Ingress Protection</b>		IP66
MOUNTING DATA		
<b>Mounting Type</b>		Bolt
<b>Mounting Hole</b>		19 (3/4")
CABLE DATA		
<b>Cell / LTE Cables</b>	<b>Cable Type</b>	RG174
	<b>Length</b>	2m/6.5ft
<b>GPS Cables</b>	<b>Termination</b>	SMA Plug
	<b>Cable Type</b>	RG174
<b>Wi-Fi Cable</b>	<b>Length</b>	2m/6.5ft
	<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).