Sierra Wireless AirLink® 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, as well as an active GNSS antenna for positioning or timing function, and single Wi-Fi element that makes it ideal for IoT applications.

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

*Simulated off a groundplane and does not include cable attenuation

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

About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is the leading IoT solutions provider that combines devices, network and software to unlock value in the connected economy. Companies globally are adopting IoT to improve operational efficiency, create better customer experiences, improve their business models and create new revenue streams. Whether it's a solution to help a business securely connect edge devices to the cloud, or a software/API solution to help manage processes associated with billions of connected assets, or a platform to extract real-time data to make the best business decisions, Sierra Wireless will work with you to create the right industry-specific solution for your next IoT endeavor. Sierra Wireless has more than 1,300 employees globally and operates R&D centers in North America, Europe and Asia.

For more information, visit www.sierrawireless.com.

SIERRA
WIRELESS®