

Sierra Wireless AirLink® Antenna: 6-in-1 Dome

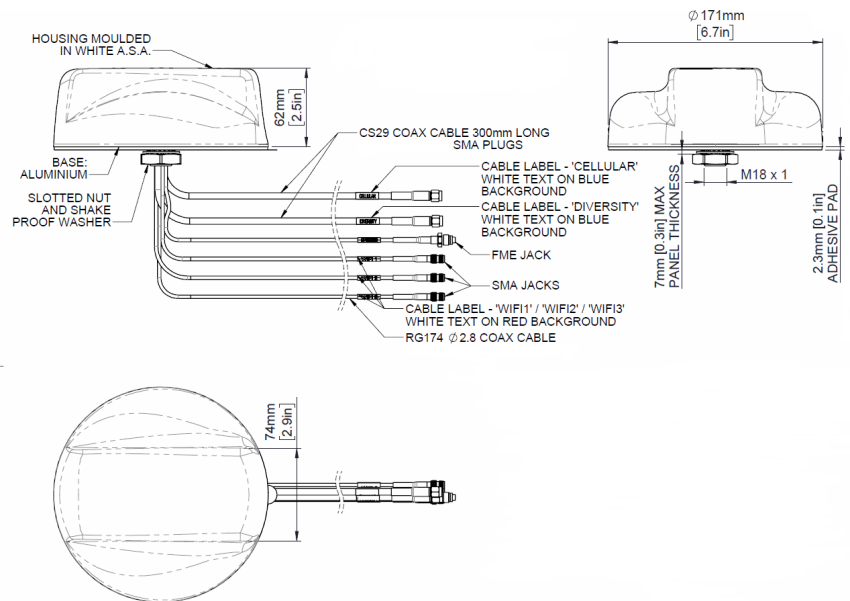
The 6-in-1 Dome has been tested and certified to operate with AirLink LTE routers and gateways.

It has a low profile design that contains six isolated high performance antenna elements in a single housing for optimal coverage; two ultra-wide-band elements spanning 698-6000MHz support MiMo/diversity at LTE frequencies; a high performance GNSS antenna with an integrated 26dB gain LNA, and three dual-band 2.4/5GHz Wi-Fi elements that provide 3x3 MiMo Wi-Fi.

The antenna is ground plane independent, and maintains a high level of performance even when mounted on a non-metallic surface.

		Specification	
PART NO.		6001129 (Black) / 6001121 (White)	
ELECTRICAL DATA			
Frequency Range	3G/4G Elements	698-960 / 1710-3800MHz/ /4900-6000 MHz	
	Wi-Fi Elements	2.4/4.9-6GHz	
Peak gain: Isotropic	3G/4G Elements	698-960MHz	2.3dBi
		1710-3800MHz	5dBi
	Wi-Fi Elements	4900-6000MHz	6dBi
		2.4/4.9-6.0GHz	2dBi
Isolation	Cellular	> 15dB	
Correlation Co-efficient		< 0.1	
Polarisation		Vertical	
Impedance		50Ω	
Max Input Power		25W	
		Specification	
GPS/GNSS DATA			
Frequency Range		1562-1612MHz	
VSWR		<2:1 ± 4MHz	
Gain: LNA		26dB	
Operating Voltage		3-5V DC	
Approval		E11	
Current		<20mA	

MECHANICAL DATA		
Dimensions	Height	62mm (2.4")
	Diameter	176mm (6.7")
Operating Temp		-30° / +80°C (-22° / 176°F)
Material		ASA & Diecast Aluminium
Color		Black/White
Ingress Protection		IP66
Weight		1282g
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
CABLE DATA		
Cell / LTE Cables	Type	CS29
	Length	5m (16ft)
	Termination	SMA Plug
GPS Cable	Type	CS29
	Length	5m (16ft)
	Termination	SMA Plug
Wi-Fi Cables	Type	CS32
	Length	5m (16ft)
	Termination	RP-SMA Plug
TECHNICAL DRAWING		



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 is 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 develop 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.

Connect with Sierra Wireless on the IoT Blog at www.sierrawireless.com/iot-blog, on Twitter at [@SierraWireless](https://twitter.com/SierraWireless), on LinkedIn at www.linkedin.com/company/sierra-wireless and on YouTube at www.youtube.com/SierraWireless

Sierra Wireless, the Sierra Wireless logo, AirPrime, AirLink, AirVantage 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. © 2020 Sierra Wireless, Inc. 2020.03.02