



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-wideband elements spanning 617-960/1710-6000MHz support MiMo at LTE and 5G NR frequencies; a high performance (advanced filtering) GNSS antenna with an integrated 26dB gain LNA, and three dualband 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.		6001363 (White)/6001364 (Black)	
ELECTRICAL DATA			
Frequency Range	Cellular	617-960/1710-6000 MHz	
	Wi-Fi	2.4/4.9-6GHz	
Operational Bands	Cellular	2G/3G/4G LTE/5G NR Sub6	
	Wi-Fi	2.4/5.0GHz Wi-Fi	
Peak gain: Isotropic*	Cellular	617-960MHz	5dBi
		1710-3800MHz	9dBi
	Wi-Fi	4900-6000MHz	10dBi
		2.4/4.9-6.0GHz	8/10dBi
Typical Efficiency	Cellular	> 70%	
	Wi-Fi	> 80%	
Isolation	Cellular	> 12dB	
	Wi-Fi	> 20dB	
Correlation Co-efficient	Cellular/Wi-Fi	< 0.1	
Polarisation		Vertical	
Impedance		50Ω	

* Simulated off a groundplane and does not include cable attenuation

		Specification
GPS/GNSS DATA		
Frequency Range		1562-1612MHz
VSWR		<2:1 ± 4MHz
Typical Noise Figure		-2.7dB
Gain: LNA		26dB
Notch Filter Rejection @787MHz		23dBm
Operating Voltage		3-5V DC
Approval		E11
Current		<15mA
MECHANICAL DATA		
Dimensions	Height	75mm (3")
	Diameter	180mm (7.1")
Operating Temp		-40° / +80°C (-40° / 176°F)
Material		ASA & Diecast Aluminium
Colour		Black/White
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
CABLE DATA		
Cell / LTE Cables	Type	C32
	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

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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 <https://usatcorp.com/shop/airlink-6-in-1-dome-antenna/>.