



## Sierra Wireless AirLink® Antenna: 3-in-1 Dome

### AirLink® Antenna: 3-in-1 Dome

The 3-In-1 low profile MiMo dome antenna has been designed to support the new generation of vehicular LTE routers.

The antenna enclosure contains three isolated high performance antenna elements; two ultra-wideband elements covering 698-2700MHz support MiMo/ diversity at cellular/LTE frequencies and a high performance GPS / GNSS antenna with an integrated 26dB gain LNA and high quality filtering to combat noise.

The antenna does not require a metallic ground plane, and maintains a high level of performance even when mounted on a non-metallic surface.

		Specification	
<b>PART NO.</b>		6001136	
<b>ELECTRICAL DATA</b>			
<b>Frequency Range</b>	Elements 1 & 2	698-960 / 1700-2700MHz	
<b>Operational</b>	Elements 1 & 2	2G/3G/4G LTE	
<b>Peak gain: Isotropic</b>	Elements 1 & 2	698-960MHz	2.3dBi
		1700-2700MHz	5dBi
<b>VSWR</b>	Elements 1 & 2	< 2.5:1	
<b>Isolation</b>	Cellular	> 15dB	
<b>Polarisation</b>	Vertical		
<b>Impedance</b>	50Ω		
<b>Max Input Power</b>	50W		

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>	Element 3	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>Current</b>		<20mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height	62mm (2.4")
	Diameter	176mm (6.7")
<b>Operating Temp</b>		-30° / +80°C (-22° / 176°F)
<b>Material</b>		ASA & Diecast Aluminium
<b>Colour</b>		White
<b>Ingress Protection</b>		IP66
<b>MOUNTING DATA</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting Panel Thickness</b>		6mm (0.236")
<b>Mounting Hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cell / LTE Cables</b>	Type	CS29
	Length	5m (17ft)
	Termination	SMA Plug
<b>GPS Cable</b>	Type	CS29
	Length	5m (17ft)
	Termination	SMA Plug