

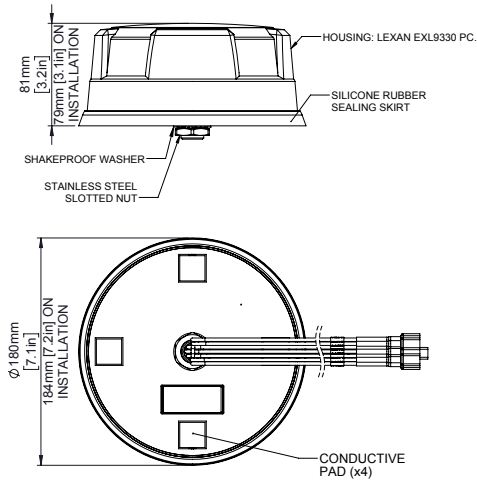
## Sierra Wireless AirLink® Antenna: 9-in-1 Dome

The 9-in-1 Dome is a custom 5G single antenna solution for the AirLink XR90, tested and certified for mobile applications.

The antenna has a low-profile design that contains nine isolated high-performance antenna elements in a single housing for optimal coverage; four ultra-wideband elements spanning 617-6000MHz; a high performance GNSS antenna with an integrated 26dB gain LNA; and 4x4 MIMO dual band 2.4/5GHz Wi-Fi elements.

		Specification	
<b>PART NO.</b>		6001399 (Black)/6001400 (White)	
<b>ELECTRICAL DATA</b>			
<b>Frequency Range</b>	4G/5G Elements	617-960MHz / 1710-6000MHz	
	Wi-Fi Elements	2.4/4.9-6GHz	
<b>Peak gain: Isotropic*</b>	4G/5G Elements	617-960MHz	4dBi
		1710-3800MHz	6dBi
		4900-6000MHz	6dBi
	Wi-Fi Elements	2.4 GHz	5dBi
		4.9-6.0GHz	7dBi
<b>Isolation*</b>	4G/5G Elements	> 10dBm	
	Wi-Fi Elements	> 12dBm	
<b>Typical Efficiency</b>	4G/5G Elements	617-960MHz	>50%
		1710-3800MHz	>60%
		4900-6000MHz	>35%
	Wi-Fi Elements	2.4GHz	>60%
		5.0GHz	>45%
<b>Correlation Co-efficient</b>	4G/5G Elements	<0.2	
<b>Pattern</b>	Omni-directional		
<b>Impedance</b>	50Ω		

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



		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>		1562-1612MHz
<b>VSWR</b>		<2.1 ± 4MHz
<b>Gain: LNA</b>		26dB
<b>Out of Band Rejection</b>		> 35dB
<b>Rejection at 787MHz</b>		> 50dB
<b>Typical Noise Figure</b>		-2.7dB
<b>Operating Voltage</b>		3-5V DC
<b>Typical Current</b>		15mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height	80mm (3.1")
	Diameter	180mm (7.1")
<b>Operating Temp</b>		-40° / +80°C (-40° / +176°F)
<b>Colour</b>		Black/White
<b>Ingress Protection</b>		IP69K
<b>MOUNTING DATA</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting Hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cellular Cables</b>	Type	C32
	Length	5m (16')
	Termination	FAKRA D (Purple)
<b>GPS Cable</b>	Type	CS29
	Length	5m (16')
<b>Wi-Fi Cables</b>	Termination	FAKRA C (Blue)
	Type	C32
<b>Wi-Fi Cables</b>	Length	5m (16')
	Termination	FAKRA I (Beige)

### About Sierra Wireless

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