

Sierra Wireless Antennas

Accelerate your deployment with always-on, end-to-end connectivity provided by our portfolio of high performance Sierra Wireless Antennas. Tested and certified to provide optimal performance with all AirLink routers and gateways, Sierra Wireless offers an extensive portfolio of antennas—designed to connect a wide range of mobile and fixed applications in public safety, utilities, industrial and distributed enterprises.

WHY SIERRA WIRELESS ANTENNAS?

- Carefully matched to operate with AirLink Routers and Gateways
- Tested and certified to enable high performance reliable connectivity
- Vastly simplified product sourcing and ordering process
- Serviced and supported by Sierra Wireless, with 3 year warranty

SharkFin

The SharkFin antennas have a compact OEM style housing that contain up to six high performance antenna elements for a variety of antenna solutions—2x2 MiMo antenna elements function for 2G, 3G, and 4G LTE frequencies, and an active antenna for GNSS with 26dB gain LNA and dual band 3x3 MiMo Wi-Fi (2.4/5GHz).



VARIANT	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
6-in-1 Sharkfin	2 x LTE 698-3800 MHz (MiMo) + GNSS + 3 x Wi-Fi 2.4/5GHz (MIMO)	6001197 (Black) 6001262 (White)	MG90, MP70
4-in-1 Sharkfin	2 x LTE 698-3800MHz (MiMo) + GNSS + 1 x Wi-Fi 2.4/5GHz	6001198	LX60, RV55
3-in-1 Sharkfin	2 x LTE 698-3800MHz (MiMo) + GNSS	6001119	MP70, RV55, RV50X
3-in-1 Sharkfin WiFi	3 x 3 MiMo Wi-Fi 2.4/5GHz	6001199	MG90, MP70
2-in-1 Sharkfin	2 x LTE 698-3800MHz (MiMo)	6001120	MG90 (Second Radio), LX60
Mag Mount	Magnetic mounting without drilling a hole; Available for trial and demos	6001112	All

Dome



The Dome Antennas are high performance, rugged, ground plane independent MiMo antennas. They have low profile design that contains up to ten isolated high performance antenna elements in a single housing for optimal coverage—four ultra-wideband elements spanning 617-6000MHz support MiMo/diversity at LTE/5G frequencies; a high performance GNSS antenna with an integrated 26dB gain LNA, and up to five dualband 2.4/5GHz Wi-Fi elements that provide reliable MiMo Wi-Fi connectivity.

The Dome antennas are ideal for heavy-duty public safety, transit and industrial installations, with a simple single bolt mounting.

	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
VARIANT			
10-in-1 Dome	4 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 5 x Wi-Fi 2.4/5GHz (MiMo)	6001354 (White) 6001355 (Black)	XR80
9-in-1 Dome	4 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 4 x Wi-Fi 2.4/5GHz (MiMo)	6001399 (Black) 6001400 (White)	XR90
8-in-1 Dome	4 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 3 x Wi-Fi 2.4/5GHz (MiMo)	6001345 (White) 6001344 (Black)	MG90 5G 4x4
6-in-1 Dome	2 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 3 x Wi-Fi 2.4/5GHz (MiMo)	6001363 (White) 6001364 (Black)	MG90, MP70
5-in-1 Dome	4 x 5G/LTE 617-6000MHz (MiMo) + GNSS	6001443 (Black) 6001445 (White)	XR80, XR90
5-in-1 Dome	2 x LTE 617-6000MHz (MiMo) + GNSS + (1+1)Wi-Fi 2.4/5GHz	6001275 (Black)	RX55 Dual WiFi RV55 Dual WiFi
Mag Mount	Magnetic mounting without drilling a hole; Available for trial and demos	6001113	All



Wi-Fi

With up to four omni-directional dual band Wi-Fi elements in a single housing, the Wi-Fi antennas are IP69K certified built for internal/external Wi-Fi applications. Each element is isolated from the other with a separate feed and covers both the 2.4GHz and 5GHz bands. The 3-in-1 and 4-in-1 Wi-Fi is easy to install and is supplied with 4m low loss cables.

	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
VARIANT			
4-in-1 Wi-Fi	4 x Wi-Fi 2.4/5GHz (MiMo)	6001351 (Black) 6001352 (White)	XR90
3-in-1 Wi-Fi	3 x Wi-Fi 2.4/5GHz (MiMo)	6001283 (Black) 6001284 (White)	MG90, MP70



BAT

Efficient element design that assures high performance and robust communication link, BAT antenna is purposely designed for high-speed telematics applications that can be mounted on any non conductive surface. The isolated dual 4G/3G/5G antenna elements cover 617-6000MHz and GNSS with the option for dual-band Wi-Fi.

	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
VARIANT			
4-in-1	2 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 1 x Wi-Fi 2.4/5GHz	6001201	RX55, RV55, LX60, LX40
3-in-1	2 x 5G/LTE 617-6000MHz (MiMo) + GNSS	6001200	MP70, RX55, RV55, RV50X



Panel

The Panel antenna comes in a compact, robust low profile housing that contains up to four antenna elements covering all current global cellular and LTE bands in frequency range 698-3800MHz and active GNSS antenna. With a single bolt mount and versatile bracket, it provides ideal solution for a variety of fixed mounted applications.

	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
VARIANT			
5-in-1 Panel	2 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 2 x Wi-Fi 2.4/5GHz	6001455(2m)	RX55, RV55
3-in-1 Panel	2 x 5G/LTE 617-6000MHz (MiMo) + GNSS	6001454(2m)	RX55
3-in-1 Panel	2 x LTE 698-3800MHz (MiMo) + GNSS	6001125 (3m) 6001211 (1m)	MP70, RV55, RV50X, LX60
2-in-1 Panel	2 x LTE 698-3800MHz (MiMo)	6001124 (3m) 6001219 (1m)	RV55, LX60, LX40, RV50X



Paddle

Paddle antennas are ground plane independent antennas designed with an articulated connector for flexible positioning of 0-90° pivot and a sleek ruggedized profile for durability.

	Supported Technologies	Part Number	Recommended AirLink Routers/Gateway
VARIANT			
Paddle 5G	LTE 615-6000MHz	6001343	MG90 5G, RX55
Paddle Cell	LTE 698-3800MHz	6001110	MG90, MP70, LX60, LX40, RV55, RV50X
Paddle Wi-Fi	Wi-Fi 2.4/5GHz, Bluetooth	6001111	MG90, MP70, RX55, RV55, LX60, LX40
Stubby WiFi	Wi-Fi 2.4/5GHz	6001430	XR80, XR90
Paddle LPWA (2m cable)	LTE 698-2700MHz	6001401	XR80, XR90

Reference Table

	Cable Length (m)	Part Number	XR	MG	MP	RX	RV	LX
MOBILE ANTENNA								
10-in-1 Dome	5	6001354 (B) 6001355 (W)	●					
9-in-1 Dome	5	6001399 (B) 6001400 (W)	●					
8-in-1 Dome	5	6001344 (B) 6001345 (W)		●				
6-in-1 SharkFin	4	6001197 (B) 6001262 (W)		●	●			
6-in-1 Dome	5	6001363 (W) 6001364 (B)		●	●			
5-in-1 Dome	5	6001443 (B) 6001445 (W)	●					
5-in-1 Dome	5	6001275				●	●	
4-in-1 SharkFin	4	6001198						●
4-in-1 Wi-Fi	4	6001351 (B) 6001352 (W)	●					
3-in-1 SharkFin	4	6001119		●	●		●	
3-in-1 SharkFin Wi-Fi	4	6001199		●	●			
3-in-1 Wi-Fi	4	6001283 (B) 6001284 (W)		●	●			
2-in-1 SharkFin	4	6001120		●	●		●	●
4-in-1 BAT	3	6001201				●		●
3-in-1 BAT	3	6001200	●		●	●		
FIXED ANTENNA								
5-in-1 Flat Panel	2	6001432	●					
5-in-1 Panel	2	6001455				●	●	
4-in-1 Panel	2	6001285					●	●
3-in-1 Panel	3	6001125			●		●	
	2	6001454				●		
	1	6001211						
2-in-1 Panel	3	6001124					●	●
	1	6001219						
Stubby Wi-Fi		6001430	●					
Paddle Wi-Fi		6001111	●	●	●	●	●	●
Paddle 5G		6001343		●				
Paddle Cellular		6001110		●	●		●	●

About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

For more information, visit www.sierrawireless.com.