



Sierra Wireless Antenna – 4-in-1 Bat

Efficient element design that assures high performance and robust communication links, this BAT antenna is purposely designed for high-speed Telematics applications and can be mounted on any non-conductive surface. The isolated dual 2G/3G/4G LTE antenna elements cover 698-6000MHz and GNSS with dual-band Wi-Fi, and comes with a low loss flame retardant cable.

PART NO.		Specification
		6001201
ELECTRICAL DATA		
Frequency Range	3G/4G Elements	698-960/1710-3800MHz/4900-6000MHz
	Wi-Fi Element	2.4/5GHz
Peak gain: Isotropic ¹	3G/4G Elements	2dBi (698-960MHz), 3dBi (1710-2170MHz), 5dBi (2500-3800MHz)
	Wi-Fi Element	4dBi (2.4GHz), 5dBi (5GHz)
VSWR ²	3G/4G Elements	<2.5:1
Isolation ²		> 10dB
Pattern		Omn-directional
Impedance		50Ω
Max Input Power		20W
GPS/GNSS DATA		
Frequency Range		1562-1612MHz
VSWR		<2:1 ± 4MHz
Gain: LNA		26dB
Polarisation		Right Hand Circular
Operating Voltage		3-5V DC (fed via coax)
Current		Typical <20mA

¹ Peak gain does not include cable attenuation

² VSWR & Isolation measured on 3mm thick ASA with 3m (10') of CS29 cable

		Specification
MECHANICAL DATA		
Dimensions	Height	16.5mm (0.65")
	Length	214mm (8.4")
	Width	77mm (3.0")
Operating Temp		-30° / +70°C (-30° / 158°F)
Material		ASA
Color		Black
Weight		350g
MOUNTING DATA		
Mounting Type		Adhesive
CABLE DATA		
Cell / LTE Cables	Cable	CS29
	Length	3m (10ft)
	Termination	SMA Plug
GPS Cable	Cable	RG174
	Length	3m (10ft)
	Termination	SMA Plug
Wi-Fi	Cable	CS32
	Length	3m (10ft)
	Termination	SMA Plug Reverse Polarity

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.

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