



Semtech Antenna – 7-in-1 Dual Sharkfin for XR60

The 7-in-1 Dual Sharkfin is a specialized antenna solution engineered and certified for AirLink® XR60 mobility applications.

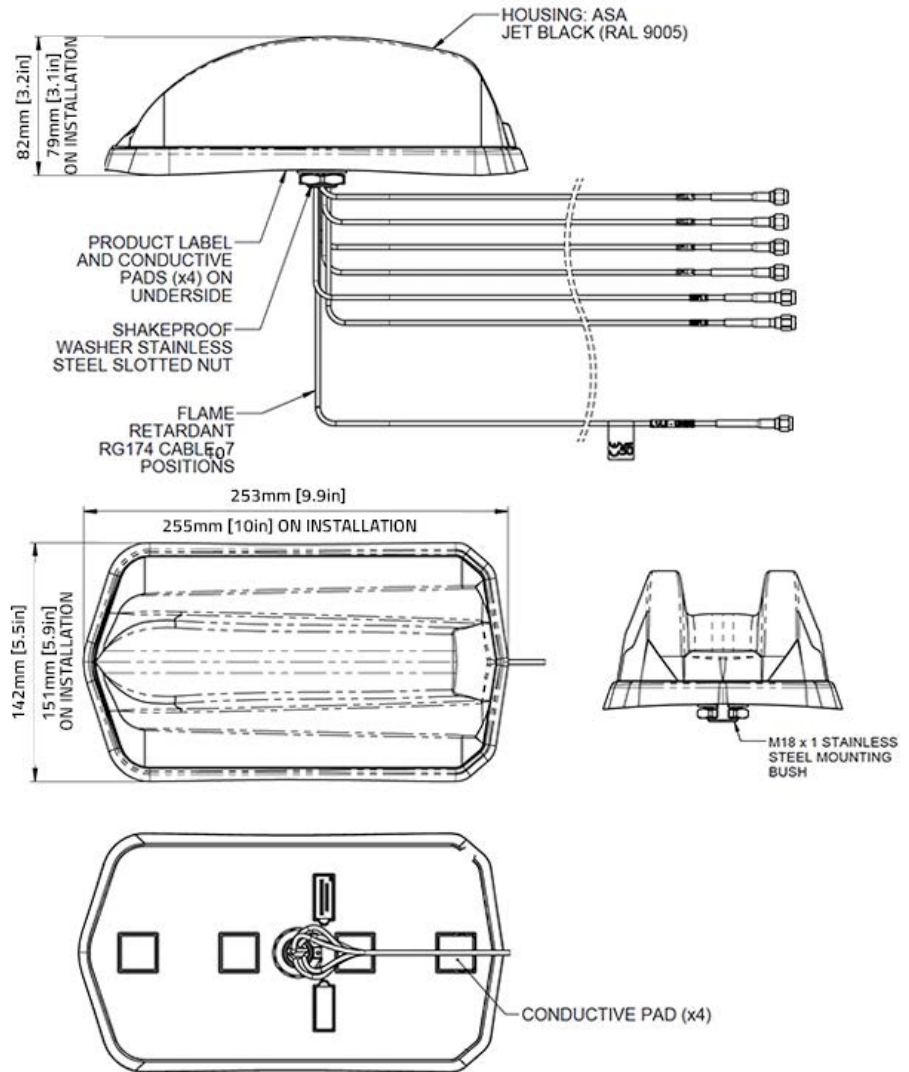
The antenna has a sleek sharkfin-style housing featuring a 4x4 MiMo for 4G/5G (617-6000MHz), dual-band 2.5/5GHz Wi-Fi, and an active L1/L5 GPS/GNSS antenna.

PART NO.		Specification	
		6001511(Black)/6001525(White)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
	Wi-Fi Elements	2.4/5GHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz	4.2dBi
		1427-6000MHz	7.1dBi
	Wi-Fi Elements	2.4GHz	4.6dBi
		5.15-7.125GHz	8.2dBi
Isolation*	4G/5G Elements	617-960MHz	≥7dB
		1427-6000MHz	≥ 16dB
	Wi-Fi Elements	2.4/5GHz	
		≥20dB	
Typical Efficiency	4G/5G Elements	617-960MHz	61%
		1427-6000MHz	71%
	Wi-Fi Elements	2.4GHz	60%
		5GHz	60%
Correlation Co-efficient	4G/5G Elements	<0.25	
Pattern	Omni-directional		
Impedance	50Ω		

*Simulated off a groundplane and does not include cable attenuation

		Specification
GPS/GNSS DATA		
Frequency Range		1559-1612MHz / 1164-1189MHz
Gain: LNA		30dB / 26dB
Out of Band Rejection		> 48dB
Rejection at 787MHz		> 50dB
Typical Noise Figure		-2.6dB
Operating Voltage		3-5V DC
Typical Current		36mA
MECHANICAL DATA		
Dimensions	Height	82mm (3.2")
	Length	253mm (9.96")
	Width	142mm (5.56")
Operating Temp		-40° / +80° C (-40° / +176°F)
Colour		Black/White
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
CABLE DATA		
Cellular Cables	Type	CS32 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug
GPS Cable	Type	CS29 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug
Wi-Fi Cables	Type	CS32 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug Reverse Polarity
ACCESSORIES		
In The Box		Dual sharkfin antenna with pigtails, extension cables, foam pad, mounting bolt, centre sealing pad
Optional Accessories (Sold Separately)		<ul style="list-style-type: none"> 6001506 Dual Sharkfin Rib Adapter: Roof mounting kit designed for (2021 and newer) Ford Explorer/Interceptor 6001505 Magnetic Mounting Adapter: Mount antenna to vehicle roof without the drilling a hole (only for trials and demos)





About Semtech

Semtech Corporation (Nasdaq: SMTC) is a high-performance semiconductor, IoT systems and cloud connectivity service provider dedicated to delivering high-quality technology solutions that enable a smarter, more connected and sustainable planet. Our global teams are committed to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets.

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