



Semtech Antenna – 5-in-1 Dual Sharkfin for XR80 and XR90

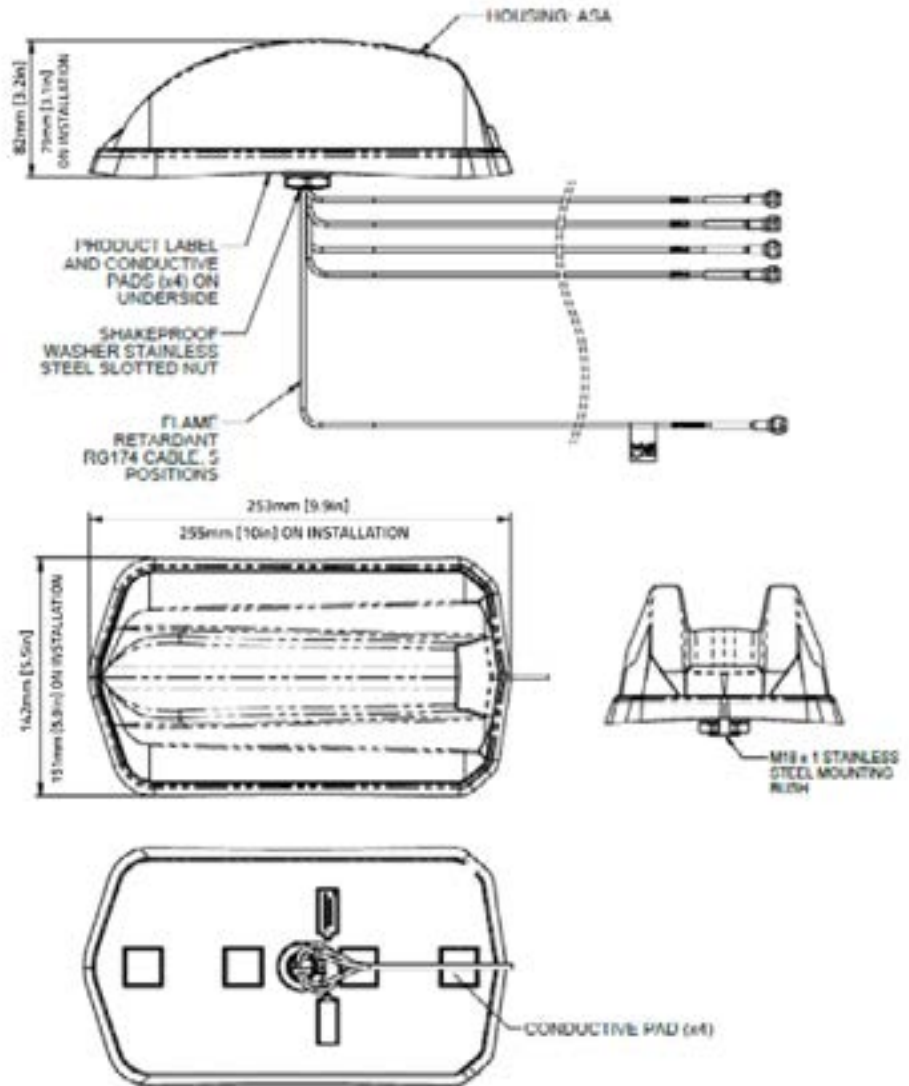
The 5-in-1 Dual Sharkfin is a specialized antenna solution engineered and certified for AirLink® XR80 mobility applications.

The antenna has a sleek sharkfin-style housing featuring a 4x4 MiMo for 4G/5G (617-6000MHz) and GNSS with an integrated gain 26dB LNA for optimized performance.

PART NO.		Specification	
		6001446 (Black)/6001524 (White)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz 1427-6000MHz	4.2dBi 7.1dBi
Isolation*	4G/5G Elements	617-960MHz 1427-6000MHz	≥ 7dB ≥ 16dB
Typical Efficiency	4G/5G Elements	617-960MHz 1427-6000MHz	61% 71%
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		1562-1612MHz
Gain: LNA		26dB
Out of Band Rejection		> 35dB
Rejection at 787MHz		> 50dB
Typical Noise Figure		-2.7dB
Operating Voltage		3-5V DC
Typical Current		17mA
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")
EXTENSION CABLE DATA		
Cellular Cables	Type	CS32 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	FAKRA D (Purple)
GPS Cable	Type	CS29 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	FAKRA C (Blue)
ACCESSORIES		
In The Box		Dual sharkfin antenna with pigtails, extension cables, foam pad, mounting bolt, centre sealing pad



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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