

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

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

The antenna has a sleek sharkfin design with discrete low profile 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.

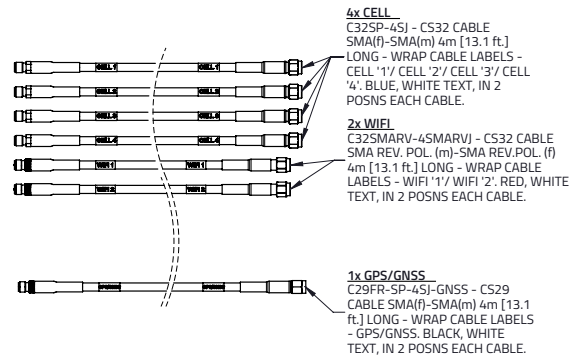
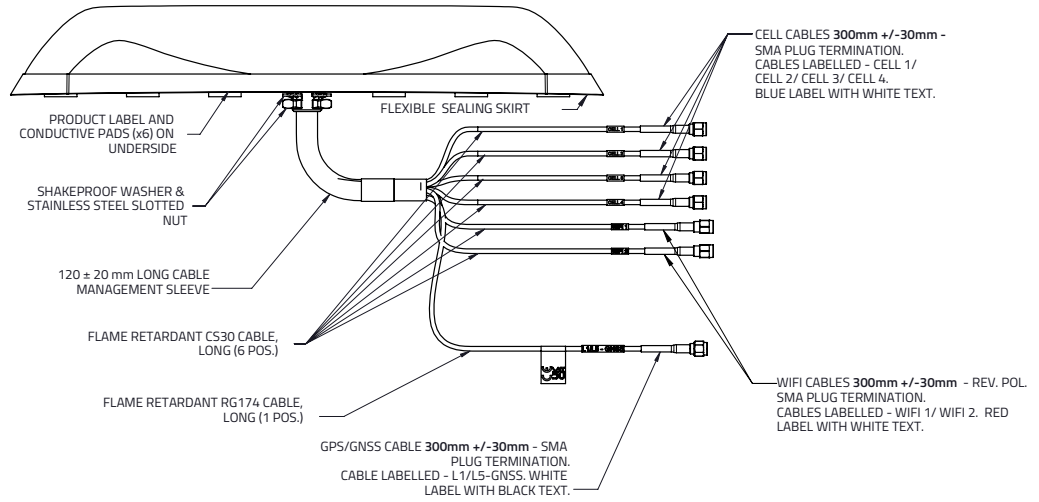
PART NO.		Specification	
		6001545(Black)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
	Wi-Fi Elements	2.4/5GHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz	4dBi
		1427-6000MHz	6.4dBi
	Wi-Fi Elements	2.4GHz	3.3dBi
		5.15-7.125GHz	6.1dBi
Isolation*	4G/5G Elements	617-698MHz	≥4dB
		698-960MHz	≥6dB
		1427-6000MHz	≥12dB
	Wi-Fi Elements	2.4/5GHz	>30dB
Typical Efficiency	4G/5G Elements	617-960MHz	42%
		1427-6000MHz	61%
	Wi-Fi Elements	2.4GHz	78%
		5GHz	55%
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		37mA
MECHANICAL DATA		
Dimensions	Height	52mm (2")
	Length	365mm (14.4")
	Width	60mm (2.4")
Operating Temp		-40° / +80° C (-40° / +176° F)
Colour		Black
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		Reef sharkfin antenna with pigtailed, extension cables, mounting bolt, sealing pad



DATASHEET – Antenna 7-in-1 Reef Sharkfin



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.

To learn more about Semtech technology, visit us at [Semtech.com](https://www.semtech.com) or follow us on [LinkedIn](#) or [X](#).