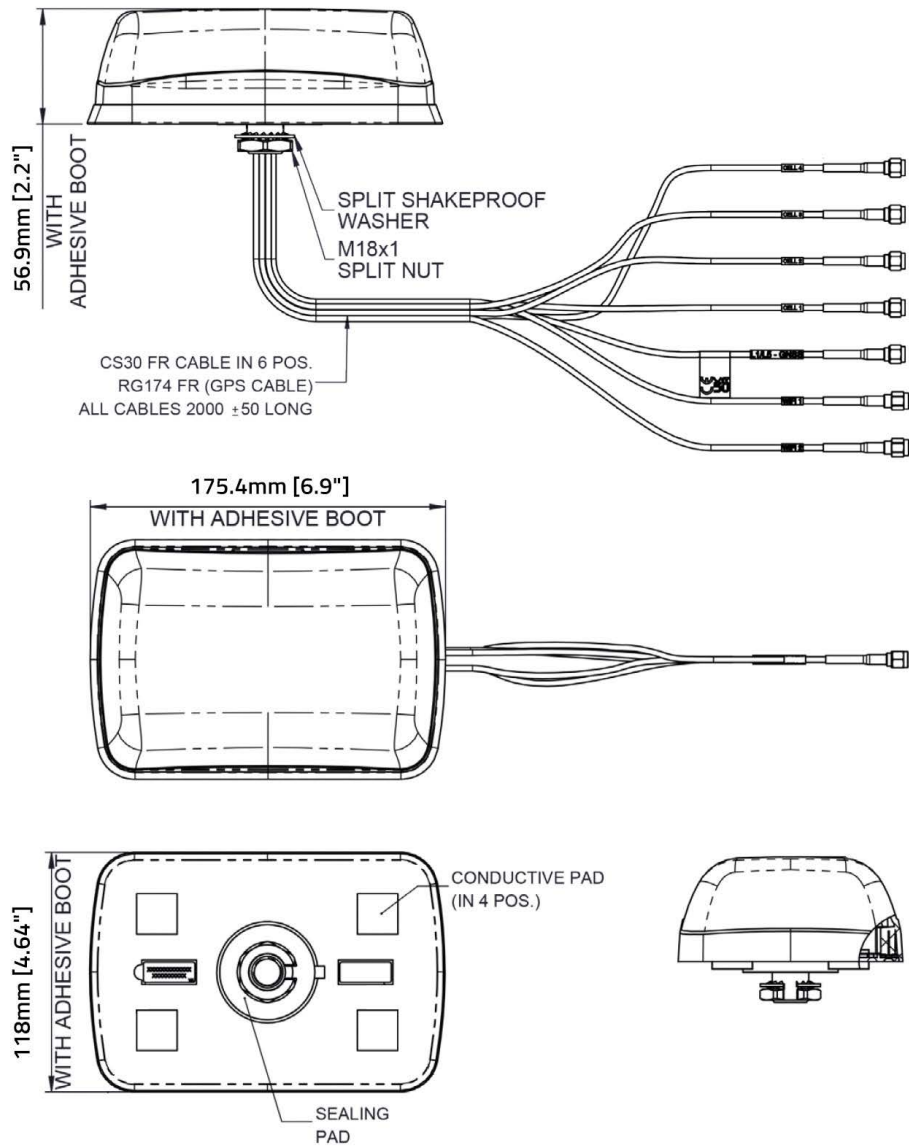## Semtech Antenna – 7-in-1 Industrial for XR60

The 7-in-1 Industrial antenna is a specialized antenna solution engineered and certified for AirLink® XR60 fixed applications.

The antenna has a low profile housing featuring a 4x4 MiMo for 4G/5G (617 - 4200MHz), dual-band 2.5/5GHz Wi-Fi, and an active L1/L5 GPS/GNSS antenna.

		Specification	
PART NO.			
		6001517 (Black)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960 / 1427-4200MHz	
	Wi-Fi Elements	2.4/5GHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz 1427-4200MHz	1.9dBi 6.3dBi
	Wi-Fi Elements	2.4GHz 5.15-7.125GHz	3.6dBi 6.7dBi
Isolation*	4G/5G Elements	617-960MHz 1427-4200MHz	≥6dB ≥12dB
	Wi-Fi Elements	2.4/5GHz	>25dB
Typical Efficiency	4G/5G Elements	617-960MHz 1427-4200MHz	50% 52%
	Wi-Fi Elements	2.4GHz 5.15-7.125GHz	58% 59%
Correlation Co-efficient	4G/5G Elements	617-960MHz 1427-4200MHz	<0.5 <0.3
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	56.9mm (2.2")
	Length	118mm (4.64")
	Width	175.4mm (6.9")
Operating Temp		-40° / +85°C (-40° / +185°F)
Colour		Black
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
CABLE DATA		
Cellular Cables	Type	CS30 (Compliant to UN ECE R118)
	Length	2m (6.6')
	Termination	SMA Plug
GPS Cable	Type	CS30 (Compliant to UN ECE R118)
	Length	2m (6.6')
	Termination	SMA Plug
Wi-Fi Cables	Type	CS30 (Compliant to UN ECE R118)
	Length	2m (6.6')
	Termination	SMA Plug Reverse Polarity
ACCESSORIES		
In The Box		Industrial antenna with the cables

SPLIT SHAKEPROOF WASHER

M18x1 SPLIT NUT

CS30 FR CABLE IN 6 POS.
RG174 FR (GPS CABLE)
ALL CABLES 2000 ±50 LONG

56.9mm [2.2"] WITH ADHESIVE BOOT

175.4mm [6.9"]
WITH ADHESIVE BOOT

118mm [4.64"] WITH ADHESIVE BOOT

CONDUCTIVE PAD (IN 4 POS.)

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.

To learn more about Semtech technology, visit us at **Semtech.com** or follow us on **LinkedIn** or **X.**

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