

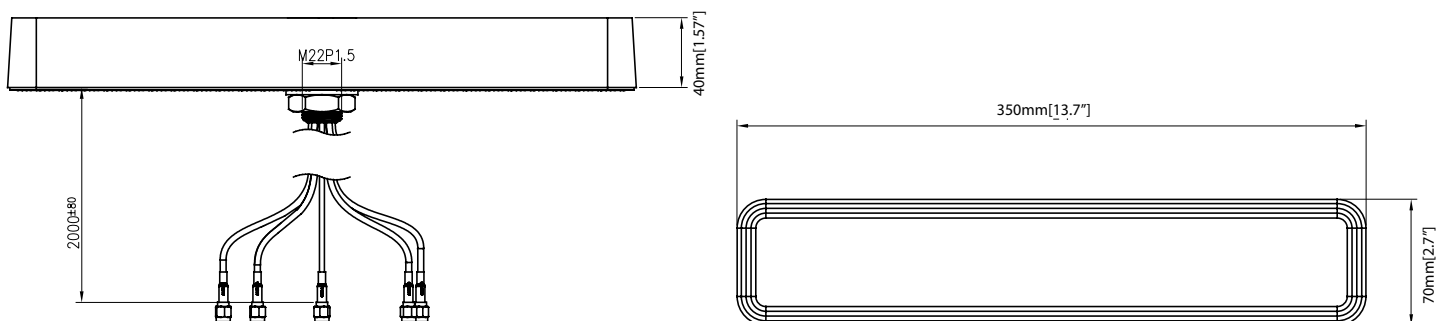
## Semtech Antenna – 5-in-1 Long Industrial

The 5-in-1 Long Industrial antenna is a custom single antenna solution for the Airlink XR60, tested and certified for fixed applications. This antenna has four wideband cellular elements covering 600-6000MHz; a high-performance dual frequency L1/L5 GNSS antenna with an integrated 26dB LNA

		Specification	
<b>PART NO.</b>		6001539 (Black)	
<b>ELECTRICAL DATA</b>			
<b>Frequency Range</b>	5G/4G Elements	600-6000MHz	
<b>Peak gain: Isotropic*</b>	4G/5G Elements	617-960MHz	2.1dBi
		1427-1518MHz	1.2dBi
		1710-4200MHz	3.8dBi
		4400-5925MHz	4.7dBi
<b>Isolation*</b>	5G/4G Elements	> 12dBm	
<b>Typical Efficiency</b>	5G/4G Elements	617-960MHz	>40%
		1427-1518MHz	>25%
		1710-4200MHz	>62%
		4400-5925MHz	>53%
<b>Correlation Co-efficient</b>	5G/4G Elements	<0.2	
<b>Pattern</b>		Omni-directional	
<b>Impedance</b>		50Ω	

\*Simulated off a groundplane and does not include cable attenuation

		Specification
<b>GPS/GNSS DATA</b>		
Frequency Range		1164-1189MHz/1559-1610MHz
VSWR		<2:1
Gain: LNA		28dB
Out of Band Rejection		>40dB
Rejection at 787MHz		>23dB
Typical Noise Figure		2.4dB
Operating Voltage		1.8-5.5V DC
Typical Current		<20mA
<b>MECHANICAL DATA</b>		
Dimensions	Height	40mm / 1.57"
	Length	350mm / 13.7"
	Width	70mm / 2.7"
Operating Temp		-45 to +85 (-49 to +185)
Colour		Black/White
Ingress Protection		IP69k (when mounted)
<b>MOUNTING DATA</b>		
Mounting Type		Bolt Mount – thread and nut
Mounting Hole		M24
<b>EXTENSION CABLE DATA</b>		
Cellular Cables	Type	TGC-302
	Length	2m (6.5')
	Termination	SMA Male
GNSS Cable	Type	RG-174
	Length	2m (6.5')
	Termination	SMA Male
<b>ACCESSORIES</b>		
In The Box		Industrial antenna with the cables



### 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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