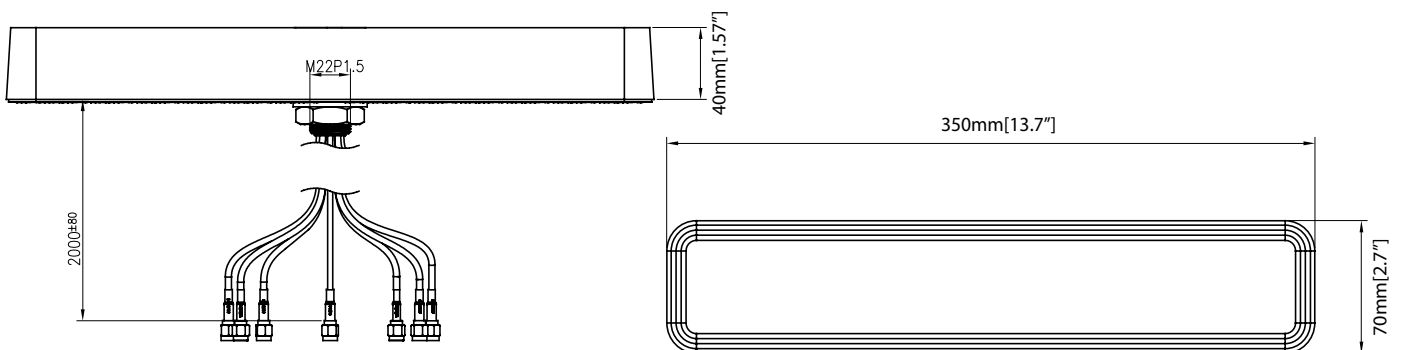


Semtech Antenna – 7-in-1 Long Industrial

The 7-in-1 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; and 2 Wi-Fi 6E elements with full coverage at dual band 2.4/5GHz.

		Specification	
PART NO.		6001540 (Black)	
ELECTRICAL DATA			
Frequency Range	5G/4G Elements	600-6000MHz	
	Wi-Fi Elements	2.4-2.5GHz/4.9-6GHz	
Peak gain: Isotropic*	5G/4G Elements	617-960MHz	2.1dBi
		1427-1518MHz	1.2dBi
		1710-4200MHz	3.8dBi
		4400-5925MHz	4.7dBi
Wi-Fi Elements	2.4-2.5G Hz	2.3dBi	
	4.9-6GHz	3.2dBi	
Isolation*	5G/4G Elements	> 12dBm	
	Wi-Fi Elements	> 20dBm	
Typical Efficiency	5G/4G Elements	617-960MHz	>40%
		1427-1518MHz	>25%
		1710-4200MHz	>62%
		4400-5925MHz	>53%
Wi-Fi Elements	2.4-2.5GHz	>40%	
	4.9-6GHz	>50%	
Correlation Co-efficient	5G/4G Elements	<0.2	
Pattern	Omni-directional		
Impedance	50Ω		

		Specification
GPS/GNSS DATA		
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
MECHANICAL DATA		
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)
MOUNTING DATA		
Mounting Type		Bolt Mount – thread and nut
Mounting Hole		M24
CABLE DATA		
Cellular Cables	Type	TGC-302
	Length	2m (6.5')
	Termination	SMA Male
GPS Cable	Type	RG-174
	Length	2m (6.5')
	Termination	SMA Male
Wi-Fi Cables	Type	TGC-302
	Length	2m (6.5')
	Termination	RP-SMA Male



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](#).

"Semtech", "Sierra Wireless" and "AirLink" are registered trademarks of Semtech Corporation or its subsidiaries. Other product or service names mentioned herein may be the trademarks of their respective owners. © 2024 Sierra Wireless, Inc. © 2024 Semtech Corporation. All rights reserved. 2024.05.17