



Semtech Antenna 7-in-1 Flat Panel for XR60

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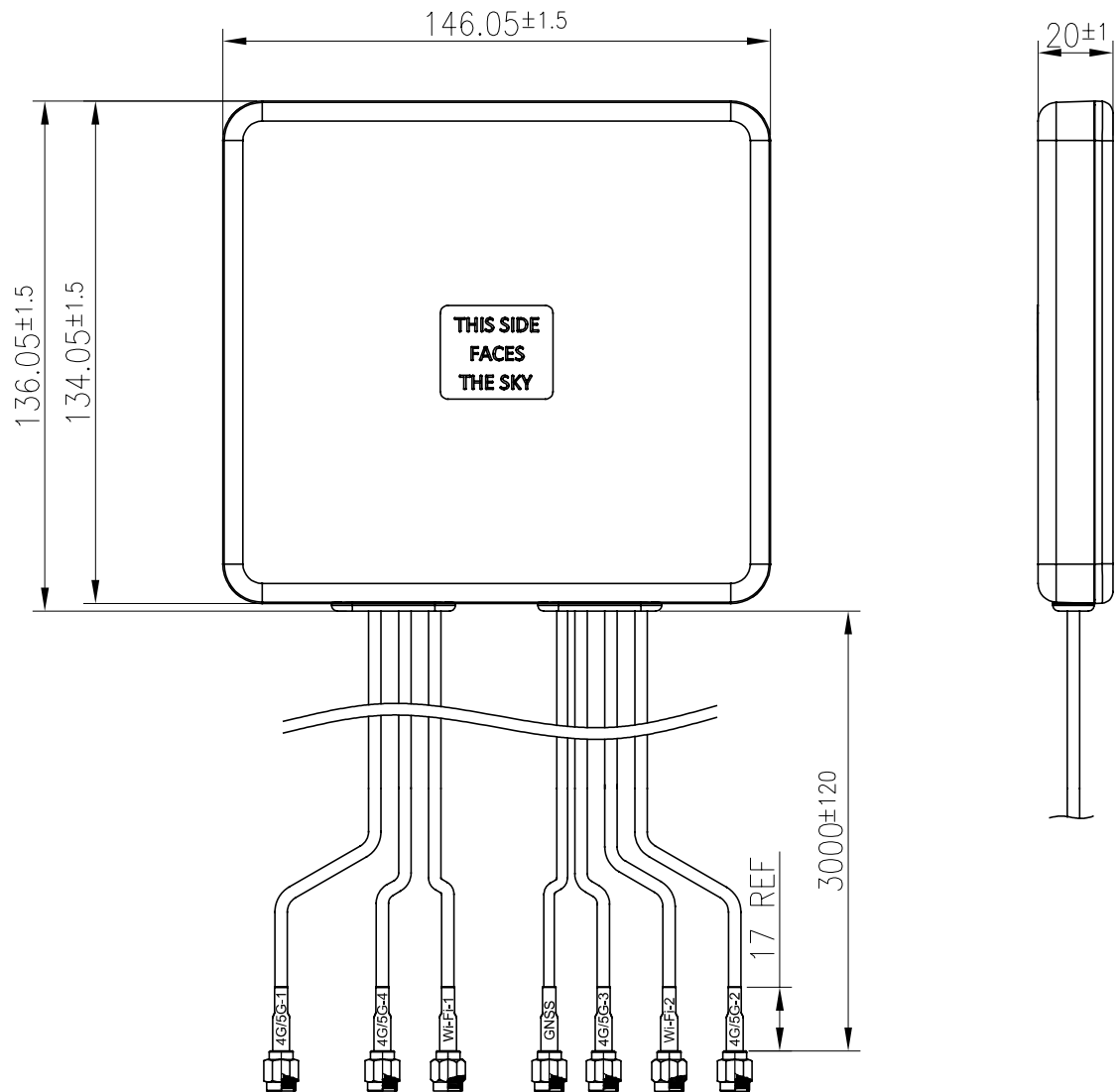
The 7-in-1 Flat Panel antenna solution engineered and certified for AirLink® XR60 fixed/mobility applications.

The antenna features 4x4 MIMO supporting 4G/5G bands covering from 617-6000 MHz, dual band 2.5/5GHz Wi-Fi, and an active L1/L5 GPS/GNSS antenna.

PART NO.		Specification	
		6001548 (Black)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-6000MHz	
	Wi-Fi Elements	2.4/5GHz	
Peak Gain: Isotropic*	4G/5G Elements	617-960MHz	4.25dBi
		1427-6000MHz	4.08dBi
	Wi-Fi Elements	2.4GHz	0.6dBi
		5.15-7.125GHz	1.37dBi
Isolation*	4G/5G Elements	617-960MHz	≥10dB
		1427-6000MHz	≥10dB
	Wi-Fi Elements	2.4/5GHz	>10dB
		Typical Efficiency	4G/5G Elements
1427-6000MHz	22.6%		
Wi-Fi Elements	2.4GHz		26.4%
	5.15-7.125GHz		26.2%
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		28dB
Out of Band Rejection		>70dB @ 600-960MHz >65dB @ 1710-3000MHz
Typical Noise Figure		2.8dB
Operating Voltage		1.8 to 5.5V DC
Typical Current		10 ± 3 mA
MECHANICAL DATA		
Dimensions	Height	20 mm
	Length	146.05 mm
	Width	136.05 mm
Operating Temp		-40°C to 85°C
Colour		Black
Ingress Protection		IP67
MOUNTING DATA		
Mounting Type		Adhesive Mount
EXTENSION CABLE DATA		
Cellular Cables	Type	TGC-302
	Length	3m (9.84")
	Termination	SMA (M)
GPS Cable	Type	RG-174
	Length	3m (9.84")
	Termination	SMA (M)
Wi-Fi Cables	Type	TGC-302
	Length	3m (9.84")
	Termination	RP-SMA(M)
ACCESSORIES		
In The Box		Flat Panel antenna, double sided adhesive foam



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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