



Semtech Antenna 5-in-1 Flat Panel for XR80, XR90

Semtech Antenna – 5-in-1 Flat Panel for XR80 and XR90

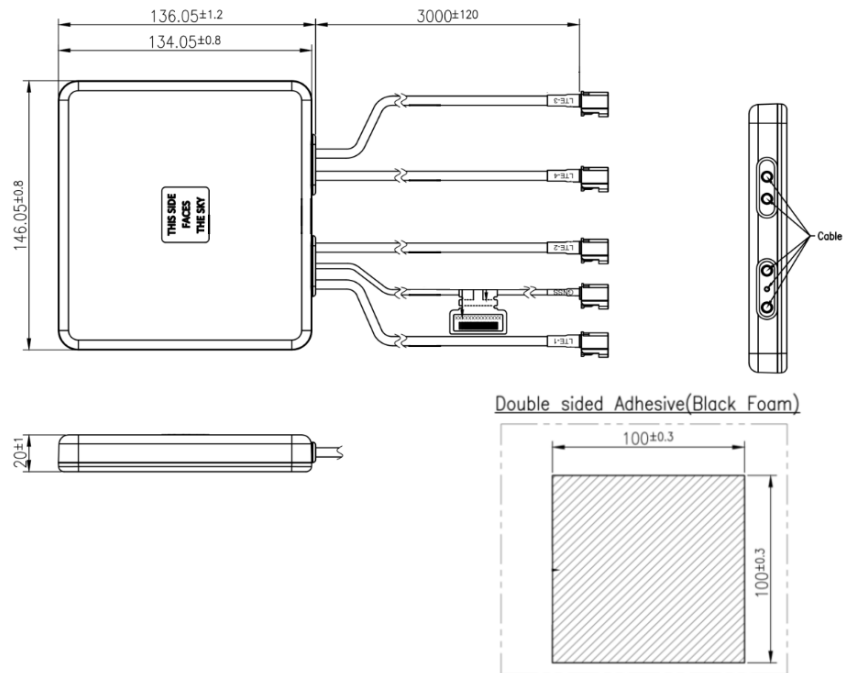
The 5-in-1 Flat Panel antenna solution engineered and certified for AirLink® XR80/90 fixed/mobility applications.

The antenna features 4x4 MIMO supporting 4G/5G bands covering from 617 – 6000 MHz, along with high-performance GNSS.

PART NO.		Specification	
		6001432 (Black)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz	3.38dBi
		1427-6000MHz	4.76dBi
Isolation*	4G/5G Elements	617-960MHz	≥10dB
		1427-6000MHz	≥13dB
Typical Efficiency	4G/5G Elements	617-960MHz	40%
		1427-6000MHz	49%
Pattern	Omni-directional		
Impedance	50Ω		

*Simulated off a groundplane and does not include cable attenuation

		Specification
GPS/GNSS DATA		
Frequency Range		1562-1612MHz
Gain: LNA		28dB
Out of Band Rejection		>40dB
VSWR		2.0:1
Typical Noise Figure		1.1dB
Operating Voltage		3-5V DC
Typical Current		9mA
MECHANICAL DATA		
Dimensions	Height	20 ±2 mm
	Length	146 mm
	Width	134 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	KSR200-P
	Length	3m (9.84")
	Termination	FAKRA D (Purple)
GPS Cable	Type	RG-174
	Length	3m (9.84")
	Termination	FAKRA C (Blue)
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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