



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

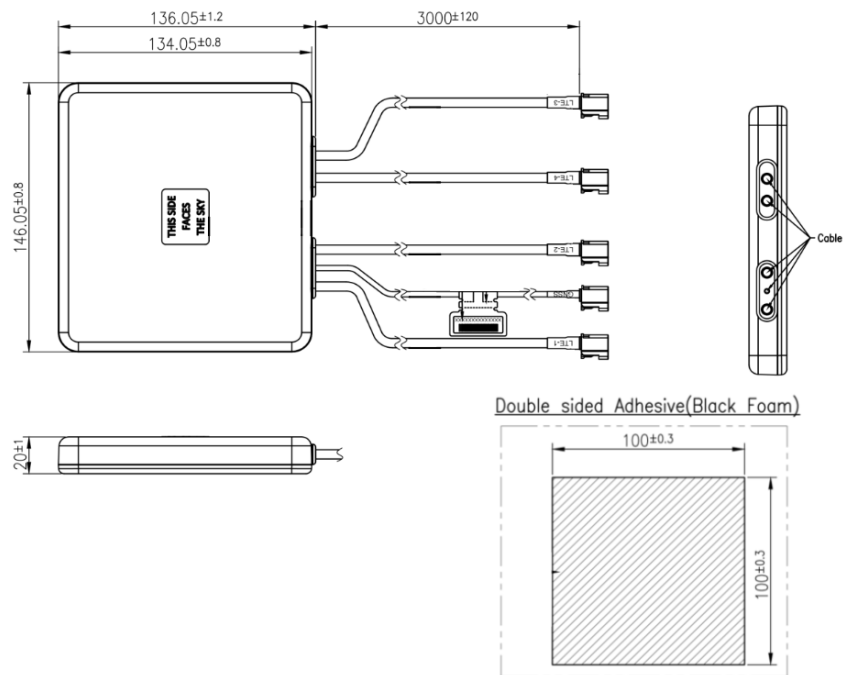
The 5-in-1 Flat Panel antenna solution engineered and certified for AirLink® XR80/90 fixed/mobility applications.

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

		Specification	
PART NO.		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
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>		1562-1612MHz
<b>Gain: LNA</b>		28dB
<b>Out of Band Rejection</b>		>40dB
<b>VSWR</b>		2.0:1
<b>Typical Noise Figure</b>		1.1dB
<b>Operating Voltage</b>		3-5V DC
<b>Typical Current</b>		9mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height	20 ±2 mm
	Length	146 mm
	Width	134 mm
<b>Operating Temp</b>		-40°C to 85°C
<b>Colour</b>		Black
<b>Ingress Protection</b>		IP67
<b>MOUNTING DATA</b>		
<b>Mounting Type</b>		Adhesive Mount
<b>EXTENSION CABLE DATA</b>		
<b>Cellular Cables</b>	Type	KSR200-P
	Length	3m (9.84")
	Termination	FAKRA D (Purple)
<b>GPS Cable</b>	Type	RG-174
	Length	3m (9.84")
	Termination	FAKRA C (Blue)
<b>ACCESSORIES</b>		
<b>In The Box</b>		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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