THIS SIDE
FACES
THE SKY

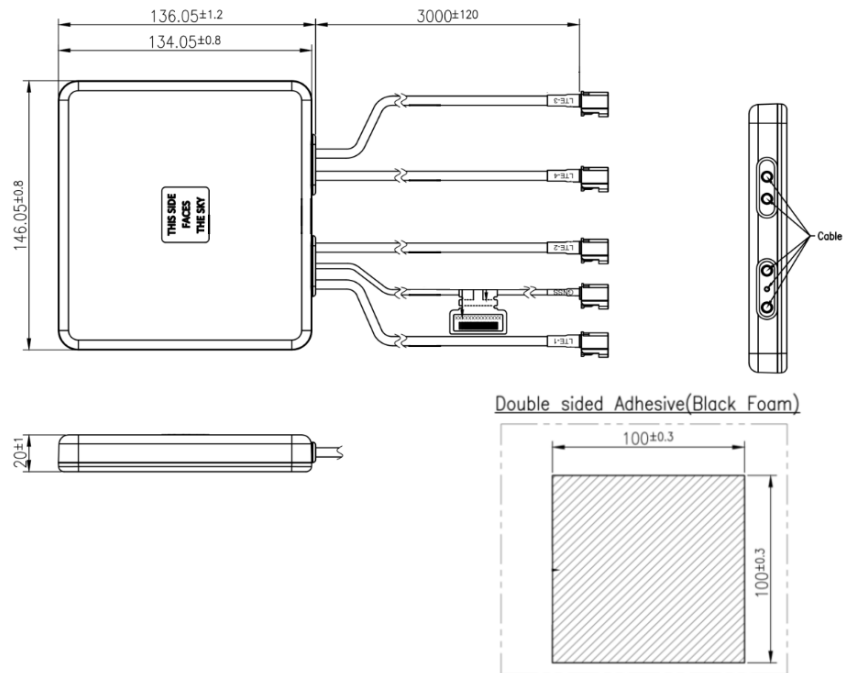## Semtech Antenna – 5-in-1 Flat Panel for XR80 and XR90

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 1427-6000MHz	3.38dBi 4.76dBi
Isolation*	4G/5G Elements	617-960MHz 1427-6000MHz	≥10dB ≥13dB
Typical Efficiency	4G/5G Elements	617-960MHz 1427-6000MHz	40% 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

136.05±1.2

134.05±0.8

3000±120

146.05±0.8

THIS SIDE
FACES
THE SKY

LTE-3

LTE-4

LTE-2

GNSS

LTE-1

Cable

20±1

Double sided Adhesive(Black Foam)

100±0.3

100±0.3

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