

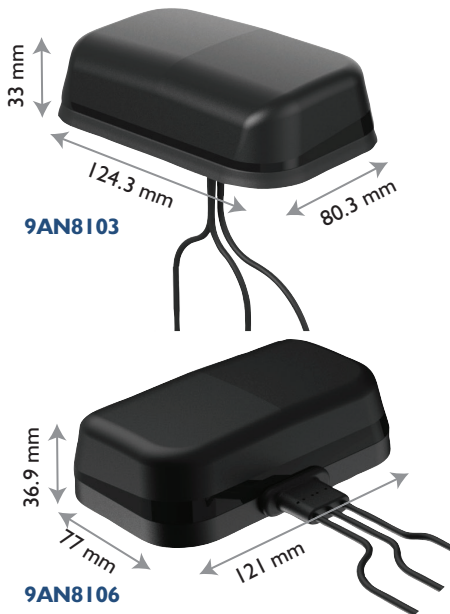
Vehicle Antennas

• JEBSEE •

AN8103/9AN8106

3-in-1 Combination External Antenna

5G NR/4G LTE Full Band
2.4-5.0-6.0GHz/Wi-Fi 7/BT/ISM
GPS/GLONASS/QZSS/Galileo/L1



Features

- Comprehensive Multiband Antenna System**
Features a versatile antenna system with support for GNSS (L1, GLONASS, BeiDou B1), Cellular (2G/3G/4G LTE/5G NR), and Wi-Fi 7/BT communication, providing robust connectivity for various applications.
- Customizable Cables and Connectors**
Offers flexibility with customizable cable lengths and connector types to ensure seamless integration into different vehicle systems and setups.

Application

- Vehicle Navigation and Telematics**
Enhances vehicle navigation and telematics systems with robust GNSS and cellular connectivity for real-time data transmission and location tracking.
- Fleet Management**
Improves fleet management with reliable communication and tracking capabilities, enabling efficient monitoring of vehicles and assets.

Model No.		AN8103 / AN8106			
Item					
Antennas 1		5G NR/4GLTE Full band			
Frequency Range	MHz	617-960	1427-2690	3300-5000	5150-5925
Peak Gain	dBi	1.4	3.0	3.3	2.0
Efficiency	%	45 typ.	50 typ.	50 typ.	45 typ.
Output VSWR	:1	3.0 max.	2.0 max.	2.0 max.	2.0 max.
Polarization		Linear			
Radiation Pattern		Omni-Directional			
Cable		RG174/U, 3000mm (Any Cable Length Available)			
Connector		FAKRA-Female (Code D) (Other Connectors Available)			
Antenna 2		2.4-5.0-6.0GHz/Wi-Fi 7/BT/ISM			
Frequency Range	MHz	2410-2490	4920-5925	5925-7125	
Peak Gain	dBi	3.2	3.6	3.5	
Efficiency	%	50 typ.	50 typ.	45 typ.	
Output VSWR	:1	2.0 max.	2.0 max.	2.0 max.	
Polarization		Linear			
Radiation Pattern		Omni-Directional			
Cable		RG174/U, 3000mm (Any Cable Length Available)			
Connector		FAKRA-Female (Code H) (Other Connectors Available)			
Antenna 3		GPS/GLONASS/QZSS/Galileo/L1			
Frequency Range	MHz	1559 – 1606			
Gain at Zenith	dBic	4.01			
Polarization		RHCP			
Radiation Pattern		Hemispherical			
LNA Gain	dB	28.0 ± 3.0			
Noise Figure	dB	3.0 max.			
Output VSWR	:1	2.0 max.			
Saw Filter Type		Pre-Filter			
Current Consumption	mA	20 max. @3.0 - 5.5V			
Cable		RG-174/U, 3000mm (Any Cable Length Available)			
Connector		FAKRA-Female (Code C) (Other Connectors Available)			
		Mechanical			
Mounting		AN8103: Screw AN8106: Adhesive			
IP Rating		IP67			
Dimensions		AN8103: 80.3(W) x 124.3(L) x 33.0(H) mm AN8106: 77.0(W) x 121.0(L) x 36.9(H) mm			

