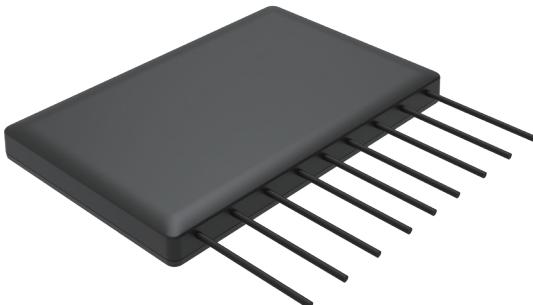
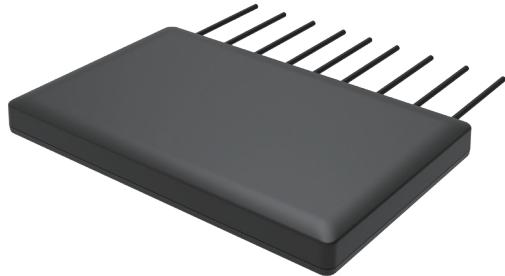


Vehicle Antennas

• JEBSEE •

AN8202

9-in-1 Combination External Antenna



Features

- **Comprehensive Wireless Connectivity**

Featuring 4x4 MIMO technology and supports 5G NR/4G LTE full band, and 2.4-5.0-6.0GHz Wi-Fi 7, delivering high-speed and stable cellular and wireless network connectivity.

- **Precise Positioning**

Advanced multi-frequency GNSS support (GPS, GLONASS, Galileo, BeiDou) across L1 and L5 frequencies guarantees accurate and reliable location tracking.

- **Flexible Installation**

Ground plane independent design allows for versatile placement options without compromising antenna performance.

Application

- **Vehicle telematics**

Enables reliable 5G/4G/Wi-Fi connectivity for in-vehicle telematics systems, supporting fleet management, vehicle tracking, and other connected car applications.

- **Autonomous Vehicles**

Provides precise GNSS data for navigation, safety systems, and autonomous control in electric and self-driving vehicles.

Item	Model No.	AN8202		
Antennas 1-4		4x4 MIMO 5G NR/4GLTE Full band + V2X		
Frequency Range	MHz	617-960	1427-2690	3300-5000
Peak Gain	dBi	3.2	3.0	2.0
Efficiency	%	45 typ.	40 typ.	25 typ.
Output VSWR	:1	3.0 max.	2.0 max.	2.0 max.
Polarization			Linear	
Radiation Pattern			Omni-Directional	
Cable			RTK031, 3000mm *4 (Any Cable Length Available)	
Connector			FAKRA-Female (Code D) *4 (Other Connectors Available)	
Antennas 5-8		4x4 MIMO 2.4-5.0-6.0GHz/Wi-Fi 7/BT/ISM + V2X		
Frequency Range	MHz	2410-2490	4920-5925	5925-7125
Peak Gain	dBi	3.2	2.0	2.5
Efficiency	%	30 typ.	20 typ.	35 typ.
Output VSWR	:1	2.0 max.	2.0 max.	2.0 max.
Polarization			Linear	
Radiation Pattern			Omni-Directional	
Cable			RTK031, 3000mm *4 (Any Cable Length Available)	
Connector			FAKRA-Female (Code H) *4 (Other Connectors Available)	
Antenna 9		GPS/GLONASS/QZSS/Galileo/IRNSS/L1L5		
Frequency Range	MHz	1164 – 1188		1559 – 1606
Gain at Zenith	dBi	2.96		4.01
Axial Ratio	dB	0.27 – 1.50		1.1.0 – 1.80
Polarization		RHCP		RHCP
Radiation Pattern		Hemispherical		Hemispherical
LNA Gain	dB	28.0 ± 3.0		28.0 ± 3.0
Noise Figure	dB	3.0 max.		3.0 max.
Output VSWR	:1	2.0 max.		2.0 max.
Out-of-Band Rejection	dB		65 typ.	
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)	
Mounting			Mechanical	
IP Rating			Adhesive	
Dimensions			IP67	
			192(W) x 125(L) x 18.5(H) mm	