

# Powering Impact In Antenna Mobility

Today's wireless connectivity requires continued innovation to meet the growing demands for high-performance communications, smaller devices, and easier installation requirements. Our new and innovative antenna designs improve sustainability, reduce resources, and lower logistical costs while prioritizing transportation safety, vehicle operability, data processing speeds, and higher efficiency.



2J Antennas provides off-the-shelf and custom antenna solutions designed for the ground transportation industry. Whether for a simple GNSS navigation solution or for a more complex in-vehicle 5G MIMO system securing uninterrupted and reliable data throughput of new-gen networks, our comprehensive portfolio covers all application requirements. This industry demands high precision, secure, and reliable data throughput for new generation networks that meet the increased demand for new in-vehicle communications systems. Our antennas pass certification requirements and are designed to comply with global market regulations. Selecting the most suitable antenna for the proper application is critical for performance, installation, and usage needs. 2J Antennas offers an easy guide to choosing the right antenna for the right job. Three main categories based on usage requirements are Ground Transportations Connectivity, Mobile Critical Communications, and Vehicle Operability and Services.

## GROUND TRANSPORTATION CONNECTIVITY

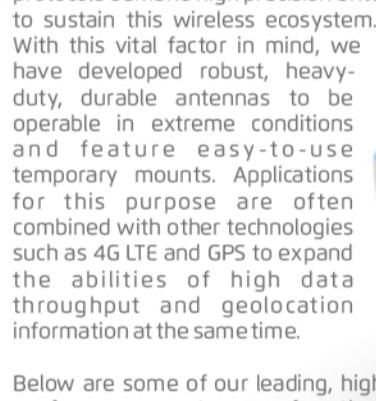
When it comes to travel and connectivity, convenience is key for all users while on the go. Our antennas are designed for commercial in-vehicle routers of public transportation such as buses, trains, trams, subways, and e-mobility that require secure and reliable connectivity. Compatibility to the new generation 5GNR and/or 4G LTE Cellular Networks provides in-vehicle mobile hotspots for all passengers.

The antennas in this portfolio are designed for vehicle to passenger connectivity by offering high-performance MIMO configurations. Our 5-in-1 and 9-in-1 combination antennas consolidate multiple wireless technologies resulting in higher functionality, easier installation, lower space requirements, and lower cost.

These 2J Antennas solutions are ultra-reliable, industry-trusted products built for the task.

### 2J6B86BCFF

Roof 9-in-1  
4x 5GNR, 4x WiFi-6E and GNSS  
Screw Mount Antenna  
For on-vehicle outdoor use



- 9-in-1 Combination Antenna
- Ultra Wide band Antenna
- 617-5925 MHz Sub 6GHz Bands
- Full 4GLTE backward compatibility
- Ground Plane Independent
- 5.2 dBi 5G NR Peak Gain
- 8.0 dBi WiFi Peak Gain
- High Performance
- Active GNSS Antenna
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 1.5 - 3.6 V
- Anti-Rotation Mounting
- Customizable Cable and Connector

### 2J4H86PCFF

Stellar - smallest 9-in-1 on the market  
4x 5GNR, 4x WiFi-6E and GNSS  
Adhesive or Magnetic Mount Antenna  
Mostly for indoor use



- 9-in-1 Combination Antenna
- Ultra Wide band Antenna
- 617-5925 MHz Sub 6GHz Bands
- Full 4GLTE backward compatibility
- Ground Plane Independent
- 4.5 dBi 5G NR Peak Gain
- 6.0 dBi WiFi Peak Gain
- High Performance
- Active GNSS Antenna
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 1.5 - 3.6 V
- Low Profile
- Small Form Factor
- Customizable Cable and Connector

### 2J7086BGFa

Medusa 5-in-1  
2x 5GNR, 2x WiFi-6E and GNSS  
Screw or Magnetic Mount Antenna  
For on-vehicle outdoor use - heavy duty



- 5-in-1 Combination Antenna
- Ultra Wide band Antenna
- 617-5925 MHz Sub 6GHz Bands
- Ground Plane Independent
- Full 4GLTE backward compatibility
- 3.5 dBi 5G NR Peak Gain
- 5.5 dBi WiFi Peak Gain
- High Performance
- Active GNSS Antenna
- 24 dB GNSS Active Gain
- Post Filter GNSS
- GNSS Voltage Range 2.7 - 5.5 V
- Heavy Duty antenna
- Anti-Rotation Mounting
- Customizable Cable and Connector

## MOBILE CRITICAL COMMUNICATION

As critical communications are highly essential, public safety, emergency, first response services, and operators rely on uninterrupted reception and secure connection. These protocols demand high precision antennas to sustain this wireless ecosystem.

With this vital factor in mind, we have developed robust, heavy-duty, durable antennas to be operable in extreme conditions and feature easy-to-use temporary mounts. Applications for this purpose are often combined with other technologies such as 4G LTE and GPS to expand the abilities of high data throughput and geolocation information at the same time.

Below are some of our leading, high-performance antennas for these applications.



### 2J7182BGF

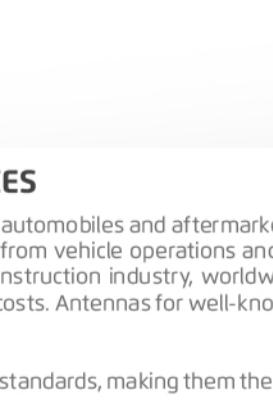
Big Medusa 4-in-1  
TETRA/UHF, 4GLTE, WiFi and GNSS  
Screw Mount Antenna  
For on-vehicle outdoor use - heavy duty



- 4-in-1 Combination Antenna
- Public safety TETRA Antenna
- Ground Plane Dependent
- Wide band Antenna
- 698-2700 MHz 4GLTE Bands
- 3.0 dBi 4G LTE Peak Gain
- 5.6 dBi WiFi Peak Gain
- 2.1 dBi TETRA Peak Gain
- High Performance
- Active GNSS Antenna
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 1.5 - 3.6 V
- Heavy Duty antenna
- Anti-Rotation Mounting
- Customizable Cable and Connector

### 2J8408BGF

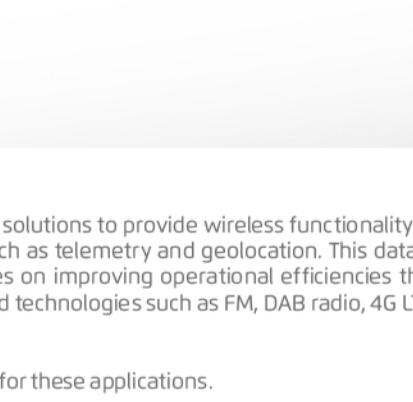
3-in-1 Shark Fin Antenna  
TETRA/UHF, 3G/2G CELL and GNSS  
Screw Mount Antenna  
For on-vehicle outdoor use



- 3-in-1 Combination Antenna
- Public safety TETRA Antenna
- Ground Plane Dependent
- -1.5 dBi 3G/2G Peak Gain
- 2.0 dBi TETRA Peak Gain
- Active GNSS Antenna
- 24 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 2.7 - 5.5 V
- Anti-Rotation Mounting
- Customizable Cable and Connector

### 2J6507MGF

2-in-1  
TETRA/UHF and GNSS  
Magnetic Temporar Mount Antenna  
For on-vehicle outdoor use - heavy duty



- 2-in-1 Combination Antenna
- Public safety TETRA Antenna
- Ground Plane Dependent
- -0.4 dBi TETRA Peak Gain
- Active GNSS Antenna
- 24 dB GNSS Active Gain
- Post-Filter GNSS
- GNSS Voltage Range 2.7 - 5.5 V
- Customizable Cable and Connector

## VEHICLE OPERABILITY AND SERVICES

This portfolio includes antennas commonly used in automobiles and aftermarket connectivity solutions to provide wireless functionality to the end-user while simultaneously gathering data from vehicle operations and conditions such as telemetry and geolocation. This data is used in fleet management, agriculture, and the construction industry worldwide and focuses on improving operational efficiencies that ultimately reduce fuel consumption and operating costs. Antennas for well-known, established technologies such as FM, DAB radio, 4G LTE, and other cellular antennas are also available.

These products are engineered to meet the highest standards, making them the perfect choice for these applications.

### 2J8750BGF

Shark Fin 3-in-1  
4GLTE, WiFi and GNSS  
Screw Mount Antenna  
For on-vehicle outdoor use - heavy duty



- 3-in-1 Combination Antenna
- Ground Plane Dependent
- Wide band Antenna
- 698-2700 MHz 4GLTE Bands
- 3.1 dBi 4G LTE Peak Gain
- Active GNSS Antenna
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 1.5 - 3.6 V
- Heavy Duty antenna
- Anti-Rotation Mounting
- Customizable Cable and Connector

### 2J4301MPGF

Single connection Antenna  
GNSS - GPS/GLONASS/Galileo  
Magnetic or Adhesive Mount Antenna  
For on-vehicle outdoor or indoor use



- Active GNSS Antenna
- Ground Plane Independent
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- Voltage Range 1.5 - 3.6 V
- Customizable Cable and Connector

### 2J6975BGF

Iridium, Certified 3-in-1 Antenna  
5GNR, GNSS and IRIDIUM  
Screw Mount Antenna  
For on-vehicle outdoor use - Low profile



- Ultra Wideband Antenna
- 617-5925 MHz Sub 6GHz Bands
- Full 4GLTE backward compatibility
- Ground Plane Independent
- 5.0 dBi 5G NR Peak Gain
- High Performance
- High Efficiency
- Iridium Certified Antenna
- 5.2 dBi IRIDIUM Peak Gain
- Active GNSS Antenna
- 28 dB GNSS Active Gain
- Pre-Filter GNSS
- GNSS Voltage Range 1.5 - 3.6 V
- Low Profile
- Anti-Rotation Mounting
- Customizable Cable and Connector