



CUSTOM OEM VEHICLE ANTENNA SOLUTIONS

Molex — A Global Antenna Market Leader

Molex provides custom antenna solutions for any connectivity requirement, and they are designed and tested to meet the exact specifications of automotive and commercial vehicle OEMs. Our engineers employ industry-leading RF expertise to develop best-in-class antennas that ensure superior connectivity.



Why Molex?

Molex offers a wide variety of multi-band antennas as well as smart antennas with integrated processors.

How does it work?

Our engineers can configure these antennas to various specifications using a host of connectors, cables and fixation methods. Additionally, Molex specializes in developing custom products to exactly fit our customers' needs.

Molex meets all the rigorous requirements of Tier 1 OEM suppliers, and we have a proud track record of exceeding customer expectations.

Why does it matter?

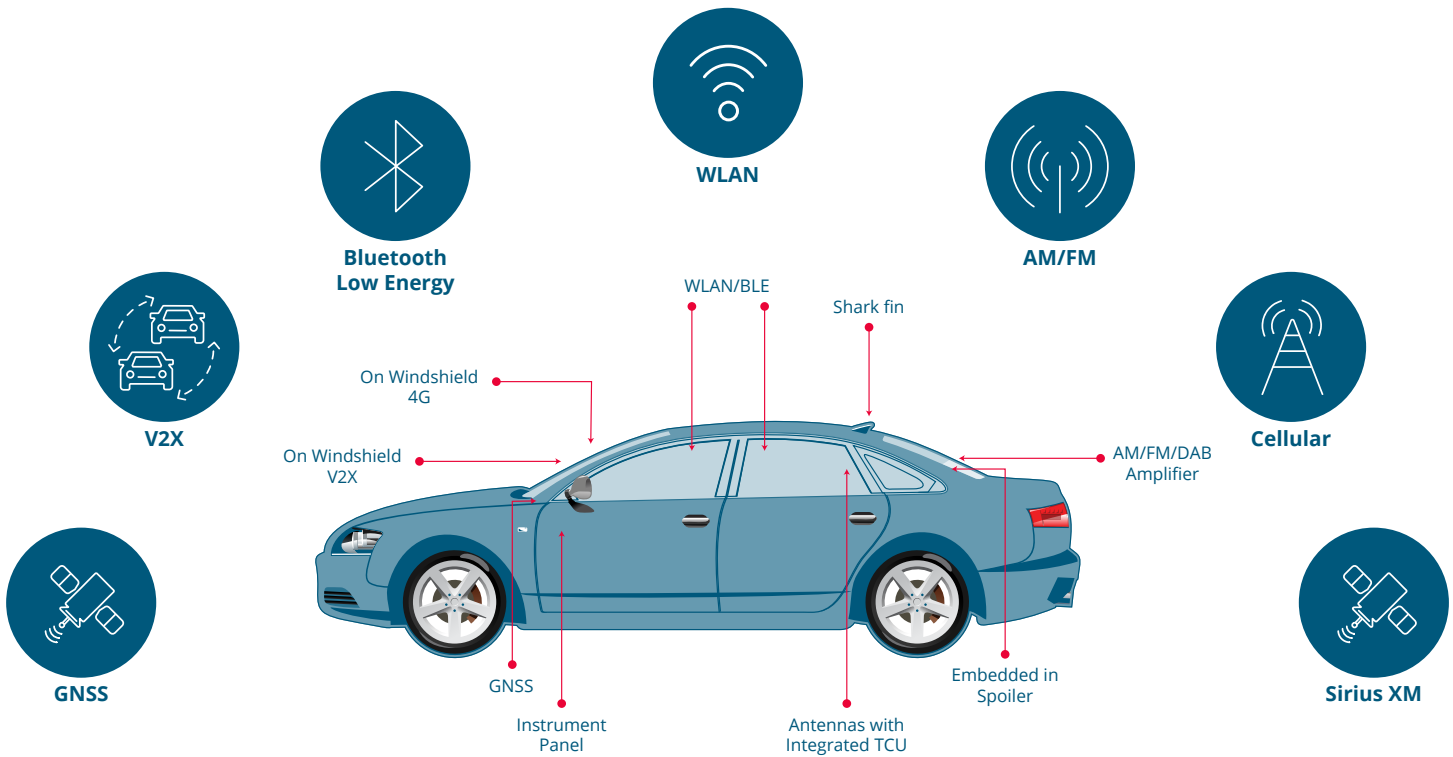
Some highlights of our OEM services include:

- Innovative and patented design solutions
- Industry-leading quality levels
- Full vehicle anechoic chamber testing
- TS-16949-certified production facilities
- Best-in-class supply chain management
- Co-location with its customers



CONNECTED VEHICLE SOLUTIONS
VEHICLE ANTENNA

MOLEX ANTENNA CUSTOM OEM VEHICLE ANTENNA SOLUTION



ANTENNA BANDS/FREQUENCIES

Cellular

4G-LTE/5G MIMO

617 MHz - 5000MHz

1710 MHz - 2170 MHz

2496 MHz - 2690 MHz

3400 MHz - 3800 MHz

GNSS

GPS (L1, L2, L5)

GLONASS (L1, L2, L5)

Galileo (E1, E5b)

Beidou

AM/FM

AM: 535 kHz - 1705 KHz

FM: 76 MHz - 108 MHz

DAB

174 MHz - 240 MHz

SXM

2320 MHz - 2345 MHz

Compliant to SXM03 Specification

V2X

802.11p DSRC/C-V2X

5.9 GHz

BLE/WI-FI

2.4 GHz

RKE/TPMS

315 MHz

433 MHz

868 MHz

Camera Function

MOUNTING LOCATIONS

Roof top

In-glass

Spoiler

Instrument panel

Under-glass

In-roof

Bumper

Side-mirrors

Plastic trims

ANTENNA TYPE

Smart antenna with integrated processor

Shark-fin antenna

Low-profile antenna

Hidden antenna

In-glass antenna

Foil antenna

COMPLETE SOLUTIONS TO ACHIEVE YOUR VISION

Our capabilities are constantly evolving to meet the demanding requirements for autonomous driving, infotainment and connectivity. We take an holistic solution approach to achieve end-to-end connectivity and optimal performance.

molex

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