



SUNSHADE 5-IN-1 ANTENNA: 5G MIMO*2/WI-FI MIMO*2/GNSS

NPI ENHANCEMENT

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SUNSHADE 5-IN-1 ANTENNA

5G MIMO*2/WI-FI MIMO*2/GNSS

Low-profile Sunshade 5-in-1 antennas featuring LTE/5G full-band cellular, Wi-Fi and GNSS functionalities with IP67 rating and easy mounting are ideal for advanced commercial vehicle and wireless applications.

Key Product Information

PN: 220573-1000 Sunshade 5-in-1 Antenna Pro
219264-0001 Sunshade 5-in-1 Antenna Lite

Category: External Antennas

Subcategory: Combo Antennas

Key Features: Feeding from bottom side, compact antenna design

Full functions of 5G cellular/Wi-Fi/GNSS antenna, IP67



[View Product Landing Page](#)

VITAL PRODUCT INFORMATION

Full-function combo antenna

Auto-guided vehicles, advanced commercial vehicles and smart transportation applications need multiple functionalities in an antenna while maintaining product miniaturization requirements.

Sunshade 5-in-1 Antenna Pro features powerful 5G NR 2*2 MIMO technology integrated with LTE, Wi-Fi and GNSS functions in a low-profile compact design.

Compactness with good RF performance

Challenges include meeting design requirements of high radiation efficiency over a small footprint and metal surfaces.

Sunshade 5-in-1 Antenna Pro features a compact design and offers excellent performance on metal and non-metal surfaces.

Design flexibility

Various commercial vehicles need different antenna features, cable lengths and connectors.

Molex's IP67 rated waterproof antennas have cable lengths and connectors adjustable to FAKRA connectors.

Robustness

External antennas need to support high IK rating for anti-impact feature.

Sunshade 5-in-1 Antenna Pro uses high-quality plastic material and enhanced design.

MARKETS AND APPLICATIONS

| Commercial Vehicles | Wireless Infrastructure | Telecommunications /Networking | Applicable Industry Standards |
|----------------------|---------------------------|--------------------------------|-------------------------------|
| Networking | IoT and IT infrastructure | Infrastructure | IP67 |
| Smart vehicles | Advanced industry IoT | | |
| T-boxes | | | RoHS |
| Specialized vehicles | | | |



Automated guided vehicles



Telematics unit in automotive



Smart infrastructure

PRODUCT FEATURES & ADVANTAGES

**5-in-1 Antenna with Built-in Cellular (LTE, 5G)
MIMO *2, Wi-Fi (Tri-band) *2 and GNSS Features**
Makes it ideal for diverse and advanced applications



SMA connector
Facilitates adjustable cable length
and connector adjustable to
FAKRA and HFM connectors

219264-0001



Backside Adhesive mounting
Allows for mounting on any type of
surface

220573-1000



Bolt-nut mounting
Allows antenna to sit on a vehicle top
or roof cabinet



THANK YOU

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