

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

NPI ENHANCEMENT

DECEMBER 2022 | GLOBAL RELEASE



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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

Networking  
Smart vehicles  
T-boxes  
Specialized vehicles

## Wireless Infrastructure

IoT and IT infrastructure  
Advanced industry IoT

## Telecommunications /Networking

Infrastructure

## Applicable Industry Standards

IP67

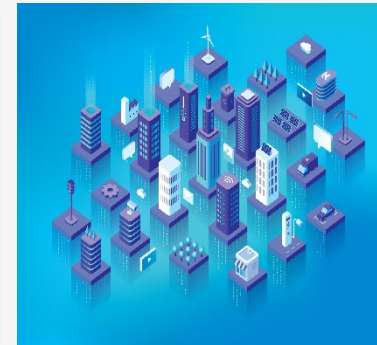
RoHS



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



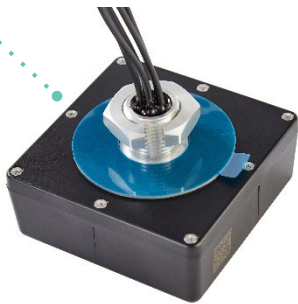
**SMA connector**  
Facilitates adjustable cable length  
and connector adjustable to  
FAKRA and HFM connectors

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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