

# Smarteq™ LPCA 9 Low Profile Combination Antenna

LTE450/LMR/TETRA/P25/ISM

710460



## Description

LPCA 9 is a rugged, low profile combination antenna.

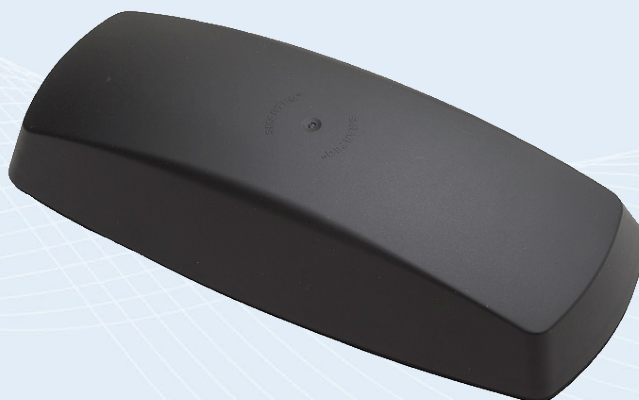
## Technologies

- LTE450
- TETRA
- LoRA
- ISM 433/444

## Features

- 430-450 MHz with an extended range to 470 MHz
- Ground plane independent
- Rugged
- IP67
- Cable approved acc ECE-R118





## Smarteq™ LPCA 9 Low Profile Combination Antenna

LTE450/LMR/TETRA/P25/ISM

The Smarteq™ LPCA 9 is a rugged, low profile combination antenna designed for use in telematics applications. The antenna is the perfect choice when the application needs reliable communications for e.g. buses, heavy vehicles, ambulances, forest machines and other M2M applications.

### Features

- 430-450 MHz with an extended range to 470 MHz
- Ground plane independent
- Rugged
- IP67
- Cable approved acc ECE-R118

### Applications

- Buses
- Heavy Vehicles
- Ambulances
- Forest Machines
- M2M

### Certifications



## SPECIFICATIONS

# Smarteq™ LPCA 9 Low Profile Combination Antenna

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## Standard Configurations

| Part Numbers | Connector Type |
|--------------|----------------|
| 710460       | FME-f          |

## Electrical Specifications – All Models

| Frequency Ranges                  | 430-450 MHz        |                  | 450-470 MHz      |        |
|-----------------------------------|--------------------|------------------|------------------|--------|
| Gain                              | 430 MHz            | 450 MHz          | 470 MHz          |        |
|                                   | 3.5 dBi on metal   | 5.5 dBi on metal | 5.5 dBi on metal |        |
|                                   | 4.5 dBi free space | 6 dBi free space | 7 dBi free space |        |
| VSWR                              | <3:1               | <1.8:1           |                  | <1.5:1 |
| Nominal Impedance                 | 50Ω                |                  |                  |        |
| Polarization                      | Vertical           |                  |                  |        |
| Radiation Pattern<br>(Horizontal) | Omnidirectional    |                  |                  |        |
| Max. Power                        | 20W                |                  |                  |        |

## Mechanical and Environmental Specifications – All Models

|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Dimensions                      | 280 x 120 x 50mm                                            |
| Installation                    | Hole mount, Ø19mm and 2 x Ø7mm Installation thickness ≤ 6mm |
| Connector                       | FME-f                                                       |
| Cable                           | RG316 0,6 m                                                 |
| Color                           | Black                                                       |
| IP class                        | IP67                                                        |
| Operating / Storage Temperature | -40°C to +85°C                                              |

CONTACT US

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sales representative or visit**

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