

Smarteq™ Ant™ Combination Antenna

Combination Antenna – GNSS+, Cellular 2G/3G/4G

710737



Description

An aerodynamic, multiband antenna covering GNSS and cellular frequencies for vehicle roof mount

Technologies

- 2G/3G/4G
- GNSS: GPS, Glonass, Galileo, Beidou

Features

- Slim and aerodynamic design
- Frequencies: 790-960 MHz and 1710-2690 MHz
- Optional rod: 27-600MHz
- Active LNA 30dB
- IP67



Smarteq™ Ant™ Combination Antenna

Combination Antenna – GNSS+, Cellular 2G/3G/4G

The Smarteq™ Ant™ is a combination antenna for vehicle roof mount. The antenna includes a cellular antenna, GNSS antenna with a pre-filtered low noise amplifier, and an option to mount an external rod. A wide range of rods for different frequencies are available. Ant is perfect for fleet management, track and trace, navigation, cargo handling. It has a slim and aerodynamic design and fits well on HGVs and smaller vehicles, like taxis, pickups, and vans.

Features

- Slim and aerodynamic design
- Frequency 790-960 MHz and 1710-2690 MHz
- Optional rod: 27-600MHz
- Active LNA 30dB
- IP67

Applications

- Intelligent Transportation Systems (ITS)
- Fleet management
- Safety/security systems
- Logistics
- Other telematics applications

Certifications



SPECIFICATIONS



Smarteq™ Ant™ Combination Antenna

Combination Antenna – GNSS+, Cellular 2G/3G/4G

Standard Configuration

Model	Connector Type
710737	Cellular: FME-m GPS: SMA-m Optional Rod: FME-f

Cellular Specifications

	Cellular	With Optional Rod
Frequency Ranges	790-960 MHz 1710-2690 MHz	27-600MHz
VSWR	2:1	Depends on selection of rod
Gain	2.15 dBi	
Nominal Impedance	50Ω	
Polarization	Vertical	
Max. Power	10W	25W

GNSS Specifications

Frequency Ranges	1559-1610 MHz	
VSWR	< 2.0:1	
Gain Passive (peak gain)	1585 MHz GPS Glonass Beidou Galileo	4.5 dBic 3.0 dBic 2.0 dBic 1.5 dBic 2.0 dBic
Gain Active	30 + 1dB	
Noise Figure	< 2.5dB including pre-filter	
Out of Band Rejection	< 960 MHz > 1710 MHz	> 60dB > 60dB
Compression Point	-20 dBm	
Supply Voltage	2.4-6 V	
Current Consumption	8-10mA	
Nominal Impedance	50Ω	
Polarization	RHCP	

SPECIFICATIONS



Smarteq™ Ant™ Combination Antenna

Combination Antenna – GNSS+, Cellular 2G/3G/4G

Mechanical and Environmental Specifications

Dimensions (L x W x H)	108 x 80 x 60mm (without optional rod)
Installation	Hole mount with center screw Material thickness ≤ 3mm Hole dimension Ø19mm
Weight	170g
Cable Type	RG316, brown
Cable Length	Cellular 200mm GPS 130mm Optional Rod 150mm
Material	Cover: PC-PBT Base Plate: Aluminum alloy Seal: Dryflex
Color	Black
Thread for Optional Rod	M6
Operating / Storage Temperature	-40°C to +85°C
IP Class	IP67
Other	Certified according to 2014/53/EU Radio Equipment Directive (RED)

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



PCTEL, Inc.

T: +1 630 372 6800 | pctel.com

Specifications subject to change without notice. PCTEL®, Smarteq™ and Ant™ are trademarks or registered trademarks of PCTEL, Inc. ©2025 PCTEL, Inc. All rights reserved. Rev. A (November 2025)