

# SmartBlade™ Omnidirectional, Multiband Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Omnidirectional

710376, 710399, 710408, 710418



## Description

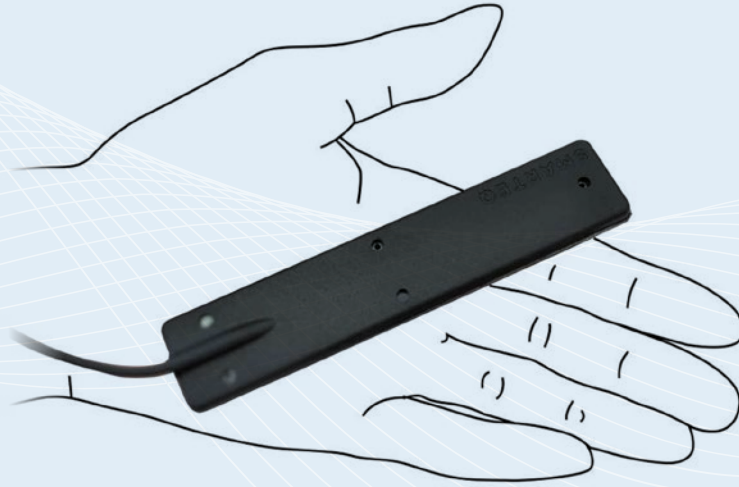
Slim and compact cellular antenna that delivers reliable connectivity.

## Technologies

- 2G/3G/4G/5G

## Features

- 5G ready
- Easy installations with adhesive mount on glass or non-conductive surface
- Slim and flexible design made it suitable for curved surface mounting



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## Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Omnidirectional

SmartBlade™ by Smartereq, a PCTEL company, is an omnidirectional, multiband antenna with a slim and discreet design. It is 5G ready and designed to meet a constant need for improved and reliable communications in M2M, vehicle, and energy applications.

### Features

- Easy installations with adhesive mount on glass or non-conductive surface
- Radio systems: 2G/3G/4G/5G
- Frequency ranges: 698-960MHz/1420-1520MHz/1710-2690MHz / 3400-3800MHz
- Gain: 1.5 – 5.5dBi
- Color: Black or Grey
- IP67

### Applications

- Off-Highway Vehicle (OHV)
- ECU/Gateway
- M2M
- Public Safety
- Smart Metering
- Smart City
- EV-chargers
- Vending machines
- Parking meters

### Certifications



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## Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Omnidirectional

### Standard Configurations

Model	Cable	Cable Length	Connector	Housing Color
710376	RG316	2.5m	FME-female	Black
710418	RG316	2.5m	SMA-male	Black
710399	RG316	0.5m	SMA-male	Black
710408	RG316	1.5m	RP SMA-male	Grey

### Electrical Specifications – RF Antennas (All Models)

Frequency Ranges	VSWR	Max. 3D Gain	Efficiency	Nominal Impedance	Polarization	Radiation Pattern	Max. Power*
698 - 780 MHz	< 2.2:1	1.5 dBi	55%	50Ω	Linear	Omnidirectional	10W
790 - 960 MHz	< 2:1	2.5 dBi	68%				
1427 - 1510 MHz	< 2:1	3 dBi	70%				
1710 - 2690 MHz	< 2:1	4.5 dBi	62%				
3300 - 4200 MHz	< 2:1	5.5 dBi	62%				
4400 - 5000 MHz	< 3:1	3 dBi	45%				

### Mechanical and Environmental Specifications (All Models)

#### Physical

Dimensions (L x W x H)	114 x 24 x 4.4 (incl. 1.3mm 3M adhesive)
Weight	~20g (incl. 20cm cable with SMA connector)
Material	Dryflex, FR4
Operating / Storage Temperature	-40°C to +85°C
IP Class	IP65

\* All RF data are performed on a 5mm thick glass with a 20cm long RG316 cable.

**CONTACT US**

**For more information about  
this product contact your  
sales representative or visit  
> [pctel.com/antenna-products](https://pctel.com/antenna-products)**

### **Solving Complex Wireless Challenges**

PCTEL 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 over 25 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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