

# Smarteq™ MiniBlade Omnidirectional Wi-Fi 6E, CBRS 5G Antenna

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

710599, 710629, 710630, 710631



## Description

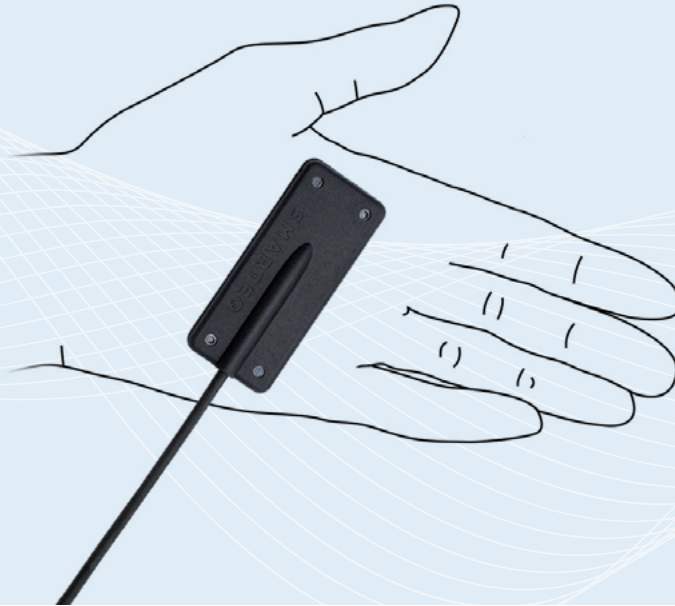
Slim and compact cellular antenna that delivers reliable connectivity.

## Technologies

- 2.4 / 3.5 / 5 / 6GHz
- Wi-Fi 6E/Wi-Fi 7
- Bluetooth®

## 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



# Smarteq™ MiniBlade Omnidirectional Wi-Fi 6E, CBRS 5G Antenna

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

Smarteq™ MiniBlade is an adhesive mounted omnidirectional ultra-wideband antenna capable of supporting radio systems operating in the 2400 to 7200MHz spectrum. Wi-Fi 6E/Wi-Fi 7, Bluetooth®, V2X and 5G ready, which make the MiniBlade antenna the perfect choice for applications such as indoor Wi-Fi coverage, internet onboard buses, EV-chargers, Wi-Fi zones, and Wi-Fi supported devices. Its superior RF performance enables high connectivity and throughput.

### Features

- Wi-Fi 6E/Wi-Fi 7, Bluetooth®, V2X and 5G ready
- 2400 - 7200MHz
- Easy installations with adhesive mount on glass or non-conductive surface
- Slim and flexible design made it suitable for curved surface mounting
- IATF 16949

### Applications

- Off-Highway Vehicle (OHV)
- ECU/Gateway
- Smart Metering
- Smart City
- EV-chargers
- Industrial IoT

### Certifications



## SPECIFICATIONS



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

### Standard Configurations

Model	Cable	Cable Length	Connector	Housing Color
710599	RG316	1.5m	SMA-m	Black
710629	RG316	0.5m	SMA-m	Black
710630	RG316	0.2m	SMA-m	Black
710631	RG316	0.5m	RP SMA-m	Black

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

Frequency Ranges	VSWR	Max. 3D Gain	Efficiency	Nominal Impedance	Polarization	Radiation Pattern
2400 - 2485 MHz	2:1	3.8dBi	79%	50Ω	Linear	Omnidirectional
3400 - 3800 MHz	2:1	5dBi	71%			
4900 - 5950 MHz	2:1	7dBi	64%			
5925 - 7125 MHz	3:1	5dBi	33%			

### Mechanical and Environmental Specifications (All Models)

#### Physical

Dimensions (L x W x H)	55.6 x 23.6 x 6.6mm (incl. 1.1mm 3M adhesive)
Weight	~ 35g (incl. 1.5m cable with SMA connector)
Material	Dryflex, FR4
Operating / Storage Temperature	-40°C to +85°C
IP Class	IATF 16949

### Extension Cables

Part Number	Cable Length	Connector	Gender	Color
<b>LL58 Cable</b>				
201417-1	3m	SMA	Female/Male	White
201417-2	5m	SMA	Female/Male	White
201417-3	10m	SMA	Female/Male	White
201417-7	5m	SMA	Female/Male	Black
<b>Low Loss Cable</b>				
707220	3m	SMA	Female/Male	Black
710298	5m	SMA	Female/Male	Black
201417-3	10m	SMA	Female/Male	Black

\* RF data with the antenna mounted on plastic 5mm thick and 20cm long 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 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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