

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

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

710599, 710629, 710630, 710631



Description

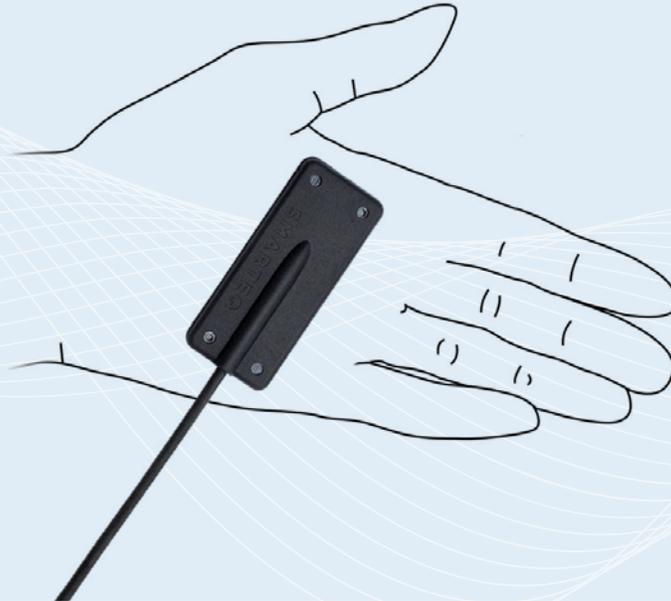
Slim and compact cellular antenna that delivers reliable connectivity.

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



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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

Applications

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

Certifications



SPECIFICATIONS

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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	IP 65

Extension Cables

Part Number	Cable Length	Connector	Gender	Color
LL58 Cable				
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
Low Loss Cable				
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**

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.



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