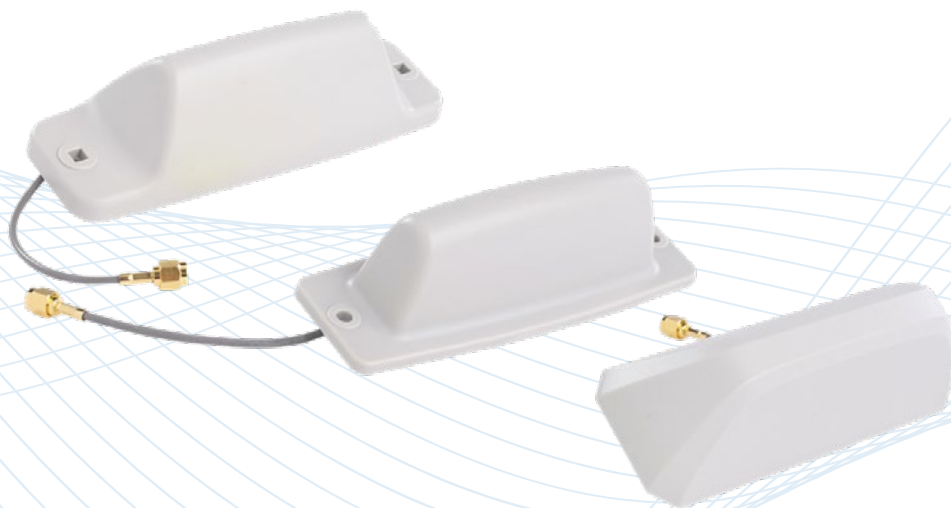


Smarteq™ LP80x-Series Low-Profile Antennas

Cellular Antennas (5G, LTE, CBRs, 3G, 2G) - Low
Profile Whipless

LP800, LP801, LP802



Description

Low-profile, multiband whipless antenna that delivers reliable LTE connectivity.

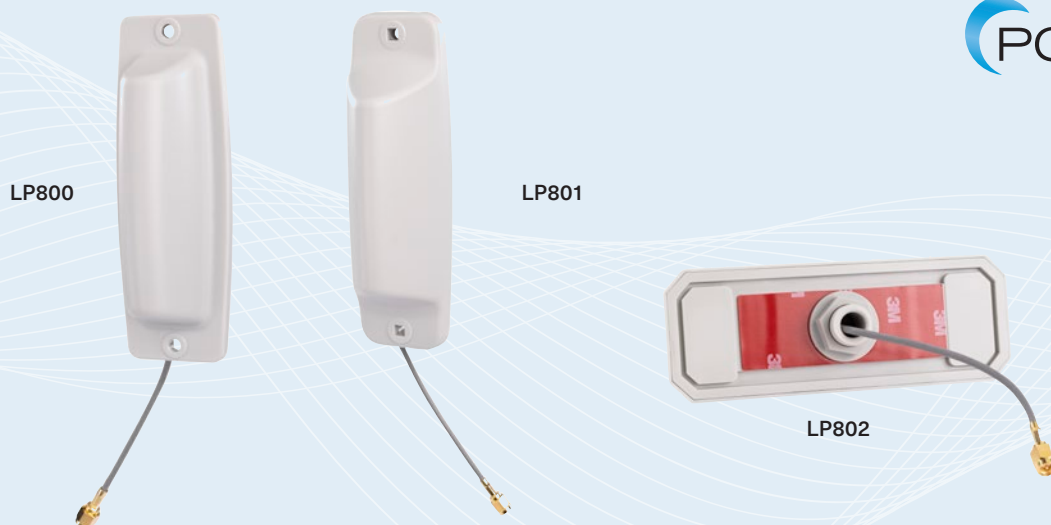
Technologies

- 2G / 3G / 4G LTE
- NB IoT

Features

- Low profile, ergonomic style with sophisticated engineering
- Easy installations
- Combined 2G/3G/4G/LTE functionalities in one single housing
- Ground plane independent





Smarteq™ LP80x-Series Low-Profile Antennas

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Low Profile Whipless

The Smarteq™ LP80x-Series antennas offer ground-plane independent omnidirectional performance with discreet and durable design. The low-profile housing gives a high degree of vandal resistance making it perfect for smart meters, tracking devices, vending machines and other M2M applications, where it requires reliable communications.

Features

- 790-960MHz / 1710-2690MHz and NB - IoT
- Low profile, ergonomic style with sophisticated engineering
- Easy to install
- Different versions available:
 - LP800 – Screw or adhesive mount
 - LP801 – Screw or adhesive mount
 - LP802 – Center screw mount

Applications

- Smart Metering
- Smart City
- EV-chargers
- Vending machines
- Parking meters

Certifications



SPECIFICATIONS



Smarteq™ LP80x-Series Low-Profile Antennas

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Low Profile Whipless

Electrical Specifications – RF Antennas (All Models)

Frequency Ranges		790-960MHz	1710-2170MHz	2400-2690MHz
VSWR*	LP800	< 3.5:1	< 2:1	< 2:1
	LP801	< 4.2:1	< 2:1	< 2:1
	LP802	< 3.5:1	< 2:1	< 2:1
Peak Gain* (Typical)		2.5dBi	3dBi	4dBi
Total Efficiency* (Average)		40%	60%	60%
Port		1		
Polarization		Linear		
Nominal Impedance		50Ω		
Max Power (Ambient temp. 25°C)		10W		
DC Short		Yes		
Ground Plane Independent		Yes		
Electrical Isolation Acc. to SS-EN 61010	LP800	No		
	LP801	Yes		
	LP802	Yes		

Mechanical and Environmental Specifications (All Models)

Physical

Dimensions (L x W x H)	LP800 LP801 LP802	136 x 48 x 42mm 162 x 50 x 45mm 140 x 52 x 45mm
Installation	LP800 LP801 LP802	2 screws / Adhesive 2 screws / Adhesive Center screw / Adhesive; Material thickness ≤ 3.5mm Installation hole Ø 16-19mm
Cable		RG316; Different cable lengths are available upon request
Connector		Different connectors are available upon request
Weight		~100g
Color		Grey, Black on request
Operating / Storage Temperature		-40°C to +85°C
UL Certified		Tested according to EN45545:2013
Compliance		RoHs compliant
IP Class	LP800 LP801 LP802	IP65, when installed IP65 IP65, when installed

* Antenna measured on one Ø1 meter ground plane with 1.5 meter RG316 cable.



CONTACT US

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

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