LP80x series
Cellular antennas
2G/3G/4G + NB IoT

LP80x series antennas offer ground-plane independent Omni-directional 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.

- 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

Specifications

Electrical

Frequency band	790-960MHz	1710-2170MHz	2400-2690MHz
VSWR* (typical)			
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		
Impedance	50Ω		
Polarization	Linear		
Max power, ambient temp. of 25°C	10W		
DC short	Yes		
Ground plane independent	Yes		
Electrical isolation acc. to SS-EN 61010	LP800	No	
	LP801	Yes	
	LP802	Yes	

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

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DNV·GL QUALITY SYSTEM CERTIFICATION IATF 16949

DNV·GL ENVIRONMENTAL SYSTEM CERTIFICATION ISO 14001

LP800

LP801

LP802

Mechanical

Dimensions (L x W x H)	LP800	136 x 48 x 42mm
	LP801	162 x 50 x 45mm
	LP802	140 x 52 x 45mm
Installation	LP800	2 screws / Adhesive
	LP801	2 screws / Adhesive
	LP802	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
Colour		Grey. Black on request
IP class	LP800	IP65, when installed
	LP801	IP65
	LP802	IP65, when installed
Temperature	Operating	-40°C to +85°C
	Storage	-40°C to +85°C

Others

RoHs compliant	Yes
UL Certified	Tested according to EN45545:2013

Smarteq reserves the right to change specifications without prior notice.

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