The LP900 series, a low profile mobile phone antenna designed to meet the industrial demands on high RF-performance with multi installation capabilities. It’s durable design and low profile makes it ideal to use where a discrete and reliable installation is required. The LP900 antenna is a ground plane independent antenna enabling a wide range of installations on different materials, perfect for M2M applications.

- Flexible five band antenna – 868/900/1800/1900/2100MHz
- Excellent RF-performance
- Low profile and durable design
- Verified according to IP44
- Ground plane independent enables easy installation
- Different versions available: installation with center screw, installation with two fixing screws with extra electrical isolation
- Based upon Smarteq Wireless RF technology
- All versions RoHS compliant
Specifications

**Electrical**
- Frequency: 868-960/1710-2170MHz
- Impedance: Nominal 50ohm
- Polarization: Linear vertical
- VSWR: Low Band <2.5:1
  High Band <2.5:1
- Gain: Low Band 0dBd (2.15 dBi)
  High Band 2dBd (4.15dBi)
- Max Power: 10W
- DC short antenna
- Ground plane independent
- Extra electrical isolation according to SS-EN 61010 for LP901 and LP902

**Mechanical**
- Dimension LP900: 136x48x42mm (LxWxH)
  LP901: 162x50x45mm (LxWxH)
  LP902: 140x52x45mm (LxWxH)
- Weight: ~100g
- Installation
  LP901 & LP901: 2 fixing screws
  LP902: center screw mount
  Max. material thickness 3,5
  Installation hole diameter 16-19mm
- Cable: 1m, RG316, other on request
- Connector: SMA(m), other on request
- Material: ASA, PC/ABS
- Color: Grey, black on request
- Water ingress
  LP900 & LP902: According to IP44 when installed
  LP901: IP65

**Environmental**
- Temperature: -40°C to +70°C

**Quality System**
- ISO/TS 16949 and ISO14001

Smarteq reserves the right to change specifications without prior notice.