

LPWAN Gateway Antenna

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TECHNICAL DATA SHEET



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The **LPWAN gateway antenna** is ideal for use with smart meter gateways, LoRa, SigFox and smart home solutions to improve wireless M-Bus reception. Installation can be both indoors and outdoors as the antenna is IP66 certified. Magnetic mounting on the control cabinet is also possible.

Technical details:

| | |
|-----------------------------|---|
| Frequency | 868-876 MHz |
| Antenna gain | 0 dBd (\approx 2 dBi) 868-876 MHz: > -3 dB (outdoor) 791-821 MHz: < -16 dB |
| Efficiency | 925-960 MHz: < -17 dB 1710-2170 MHz: < -10 dB 2500-2690 MHz: < -10 dB |
| Standing wave ratio* | <2:1 |
| Polarization | Linear |
| Antenna type | Ceramic Radiator |
| UV protection | >10 years |
| Cable | LMR100 |
| Cable length | 1,5 m |
| Connection | FAKRA C |
| Temperature range | -40°C to +85°C |
| Max. humidity | RH 95 % (non condensing) |
| Wind resistance | >150 km/h |
| Weight | 125 g |
| Mounting | 2-hole mounting, adhesive, magnetic |

*The standing wave ratio and the efficiency of the antenna depend on the materials used in the vicinity.