



Adhesive / wall external antenna

Application

The External Antenna ensures strong and stable connectivity for smart water meters installed in difficult environments where network coverage is limited. By transferring the signal source from obstructed or underground locations to open air, it significantly improves communication reliability. The adhesive / wall-mounted version is intended for installations where the meter is placed indoors or outdoors in partially shielded locations, and a higher antenna position is needed to improve radio signal quality

Main benefits:

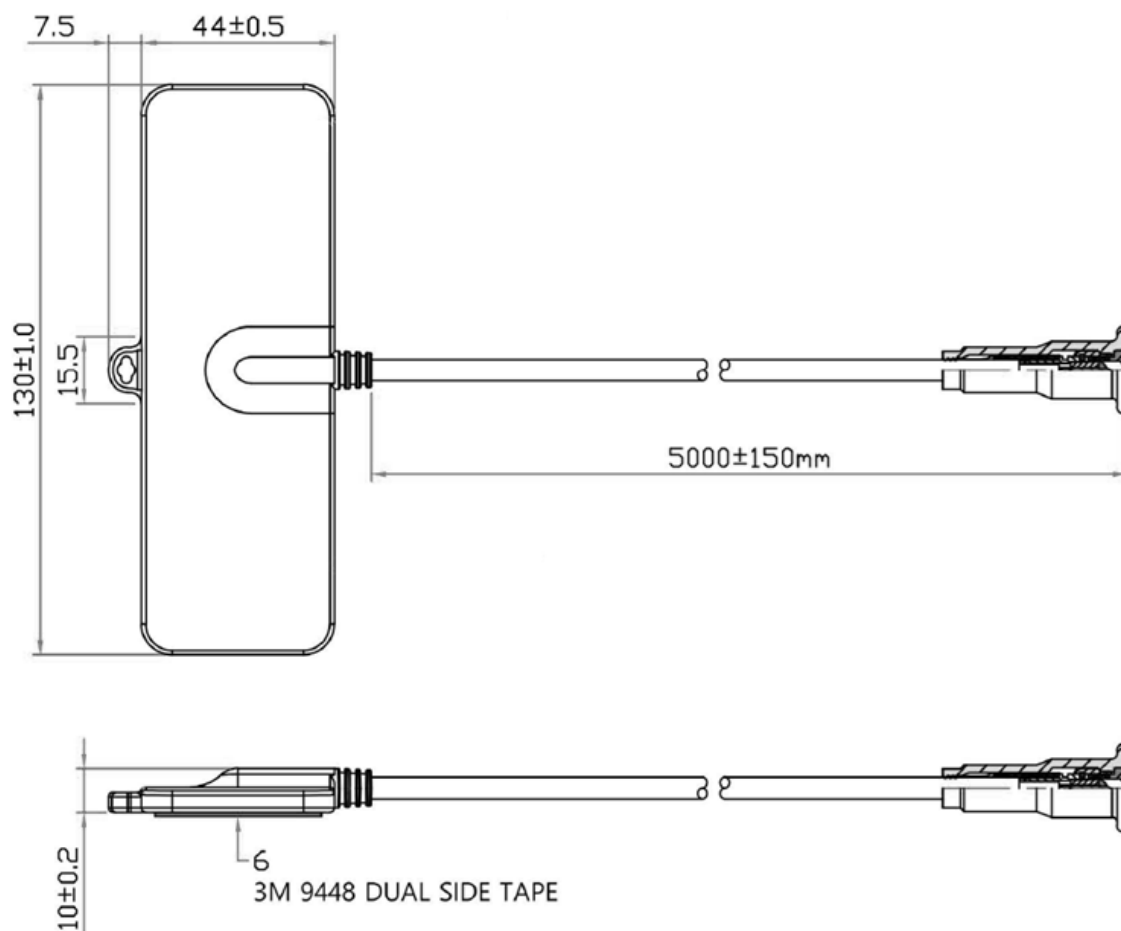
- Moves the signal from low-reception areas to higher, unobstructed positions to enhance communication reliability
- Suitable for wall-mounted installations on buildings, cabinets or other above-ground structures
- Help maintain consistent data transmission and network performance across diverse site reliability.

Key features

Signal source transfer – moves the signal from low-reception areas to higher, unobstructed positions to enhance communication reliability.

- Versatile compatibility – Supports all major smart metering communication technologies including LoRaWAN, WmBus, and NB-IoT.
- Rugged & Weatherproof Design – Built from durable, UV- and corrosion-resistant materials with IP68 protection against water and dust ingress.
- Simple Installation – Delivered with a pre-fitted cable and secure plug-and-play connector, allowing fast setup without special tools.
- No External Power Required – Operates passively through magnetic coupling with the meter's built-in antenna.

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Technical features

Configurations	Wall-mounted / adhesive design
Ingress Protection	IP68 (water and dust resistant)
Connection Method	Magnetic coupling (no power supply required)
Compatibility	LoRaWAN, WmBus, NB-IoT
Operating Environment	Outdoor and underground installations
Cable	Pre-fitted, shielded connection cable
Cable options	Cable lengths available in 5 meters and longer
Impedance	50 Ohm
Frequency range	704 – 960 MHz / 1710 – 2155 MHz
Operating temperature range	- 30 ° C +70 ° C
Storage temperature range	- 40 ° C +80 ° C
Efficiency	> 80%