

Qoltec LoRa Antenna 868 MHz | 12dBi | Omnidirectional | 600–2700 MHz | Fiberglass | Outdoor | 1.5m

Product code: 57053

LoRa omnidirectional antenna with 12 dBi gain, operating in the 868 MHz band, omnidirectional design ensures stable signal reception from all directions. Equipped with a professional N-male connector, it is ideal for outdoor installations requiring signal quality improvement. Weatherproof. Compatible with routers, USB modems and IoT devices.

STABLE MOBILE INTERNET IN ALL CONDITIONS



Frequency Range 868 MHz

The 12 dBi omnidirectional LoRa antenna has been designed to improve the quality and stability of mobile network signals. **Thanks to its omnidirectional (360) design, the antenna receives signals from all directions —** ideal for locations where the base station is not visible or the signal reflection direction changes. In addition, **the 360 horizontal radiation angle provides full omnidirectionality, while the narrow 8 vertical angle allows the signal to be focused in a more precise beam**, increasing transmission efficiency and reception stability.

EXCELLENT PERFORMANCE AND WEATHER RESISTANCE



High Gain 12dBi, Strong Signal 868 MHz
Our device offers:
- 12 dBi gain – significantly increases the range of 868 MHz systems,
- full 360 omnidirectionality horizontally and a concentrated 8 beam vertically,
- fibreglass housing characterised by high durability, resistance to UV, frost and rain, making the antenna ideal for long-term outdoor installation,
- professional N-male connector – guarantees low signal loss and a secure, weather-resistant connection to the antenna cable,
- modern design – thanks to the use of high-quality materials and attention to detail.

RELIABLE LONG-DISTANCE COMMUNICATION



Ideal for M2M and IoT systems

LoRa technology provides very long transmission range with low power consumption, high resistance to interference and two-way communication, which guarantees reliable data transfer between devices. M2M solutions enable remote monitoring, management and rapid diagnostics of infrastructure, reducing service costs and system downtime.

Secure and energy-efficient data transmission

With support for 128-bit encryption and end-to-end (E2E) security, the antenna is ideal for monitoring, automation, telemetry and smart sensor networks. It is designed to work with battery-powered or renewable energy devices, making it an excellent solution for IoT installations in homes, businesses and smart city infrastructure.

CONFIDENCE CONFIRMED BY A WARRANTY



The product is covered by a 24-month warranty period.
Do you care about the high quality of the product you buy? Our solutions will meet your expectations. The 4G LTE antenna we offer is covered by a 24-month warranty valid from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Type	360 – full omnidirectionality horizontally / 8 – concentrated beam vertically (collinear antenna)
Type antenna	Outdoor, omnidirectional
Power	100W
Antenna gain	12 dBi
Frequency	600–2700 MHz, including the 868 MHz LoRa band
Impedance	50
Polarization	Vertical
Antenna connector	N male
VSWR	1.5
Maximum height	1500mm
IP rating	IP 67
Additional information	For devices compatible with the 600–2700 MHz band, featuring an N-type male connector and 50 impedance Before purchasing, we recommend checking that the antenna is compatible with the network and frequency band used by your service provider.
OTHER PARAMETERS	
Colour	Grey
Material	Fiberglass, pure nickel-plated copper
Working temperature	-40 +85
Dimensions (D/L x W x H)	20 x 20 x 1500 mm
Package contents	1 x Antenna LoRa 1 x Mounting set
Package depth / length [mm]	40
Package width [mm]	85
Package height [mm]	1530
Net weight [kg]	0.653
Gross weight [kg]	0.853
Warranty	24 months
EAN code	5901878570532