

SIGNUX ANT03 LoRa

Accessories

SX-ANT03-LORA



DESCRIPTION

Omnidirectional magnetic-mount antenna for the 868 MHz ISM band used by LoRa and LoRaWAN equipment in Europe.

SX-ANT03-LORA adds 3 dBi of gain and, more to the point, it lets the antenna leave the enclosure: the radio stays inside the cabinet and the antenna goes on top of it, where there is something to radiate against.

The base is a magnet. It holds on any steel surface — a cabinet roof, a pole bracket, a machine frame — with no drilling and no mounting kit, and it can be moved afterwards if the coverage turns out to be better a metre away. That steel surface is not only a support: it works as the ground plane the antenna needs, so the same antenna sitting on plastic radiates worse than on a metal lid.

FEATURES

- 868 MHz, 3 dBi: Tuned for the ISM band that LoRa and LoRaWAN use in Europe, with vertical polarisation and 50 Ω.
- Sticks to steel, no drilling: A magnetic base holds it on a cabinet roof, a pole bracket or a machine frame. No bracket to fit, and it can be moved if the coverage turns out to be better a metre away.
- -40 to +80 °C, RoHS: Outdoor temperature range, the same for storage, and ten years of storage life.

PART NUMBERS

PART NUMBER	CONNECTOR / OUTPUT	CABLE LENGTH
SX-ANT03-LORA-RP-15	RP-SMA male	1.5 m
SX-ANT03-LORA-RP-30	RP-SMA male	3 m
SX-ANT03-LORA-SMA-15	SMA male	1.5 m
SX-ANT03-LORA-SMA-30	SMA male	3 m

GENERAL

Type	Omnidirectional antenna, magnetic mount	
Frequency band	868 MHz	
Intended use	LoRa and LoRaWAN	868 MHz ISM band

ELECTRICAL

Gain	3 dBi	
VSWR	2.0	Maximum
Impedance	50 Ω	
Polarisation	Vertical	

MECHANICAL

Height	318 mm	
Magnetic base diameter	30 mm	
Mounting	Magnetic base	
Connector	RP-SMA male or SMA male	Chosen when ordering
Cable length	1.5 or 3 m	Chosen when ordering

ENVIRONMENT AND COMPLIANCE

Operating temperature	-40 to +80 °C
Storage temperature	-40 to +80 °C
Storage life	10 years
Compliance	RoHS

GALLERY



Overall height 318 mm; magnetic base 30 mm in diameter

