

IOT GATEWAY OUTDOOR VERSION



1 MULTI-PLATFORM LORAWAN INDOOR GATEWAY



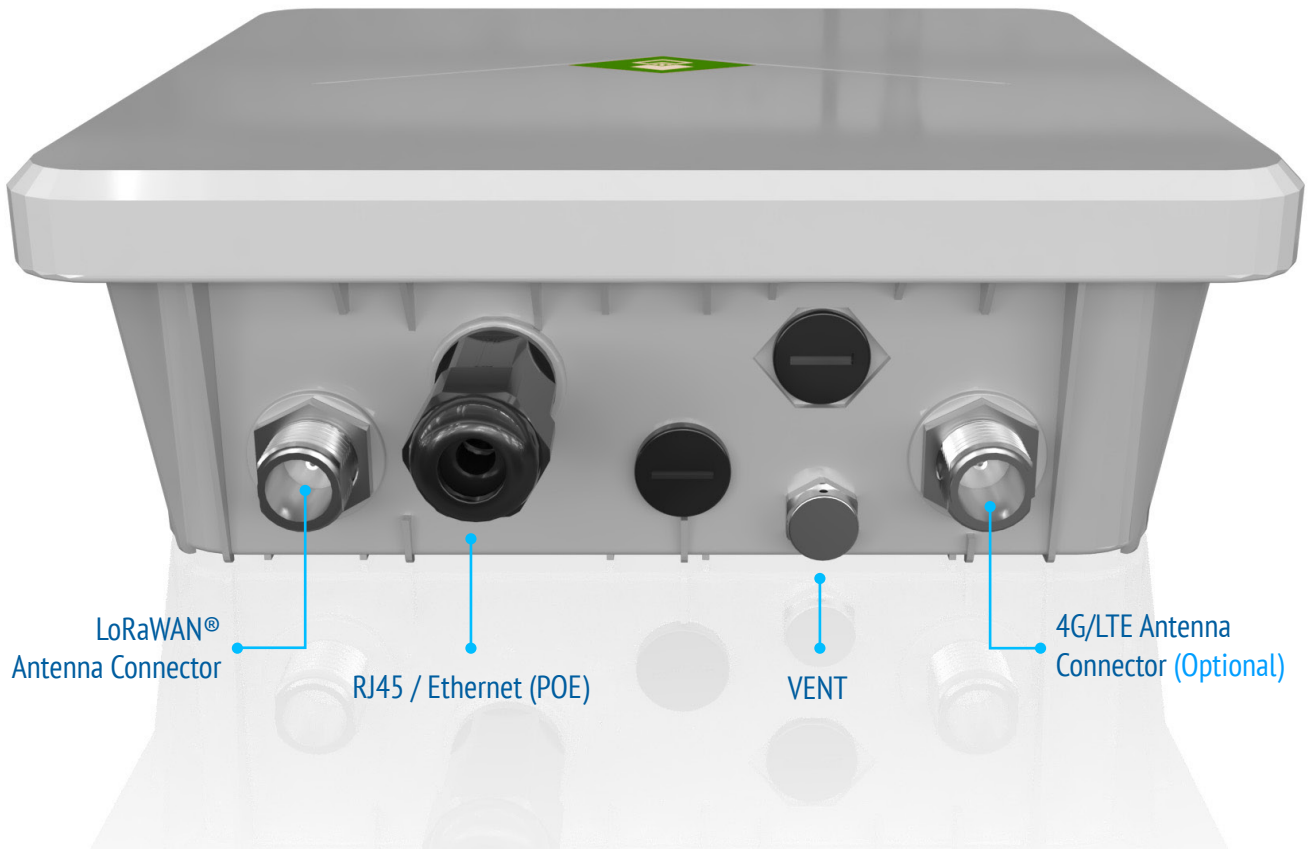
SPECIFICATIONS

Processor	MT7628(MIPS24KEc@580MHz)
RAM	DDR2 128MB
Flash	32MB
Long Range Gateway Chip	SX1302
Channel	8
LoRaWAN® Protocol	V1.0.3 Class A/Class B/Class C
Frequency Plan	IN865/EU868/RU864/US915/AU915/KR920/AS923
Long Range Sensitivity	-125dBm @125KHz/SF7 -139dBm @125KHz/SF12
Long Range TX Power	Up to 26 dBm

SPECIFICATIONS

Input Voltage	DC 12V - 2A
	PoE (IEEE 802.3 af), 40V-57V DC
Interfaces	Ethernet RJ45 * 1 RP-SMA Female Antenna Connector * 1 Micro SD Card Slot (Future use) * 1 USB Type-C (Console) * 1
Dimension	Enclosure Size (connectors excluded): 255*275*92mm
Operating Temperature	-20~55°C
Relative Humidity	0% - 85% (non-condensing)

PRODUCT OVERVIEW

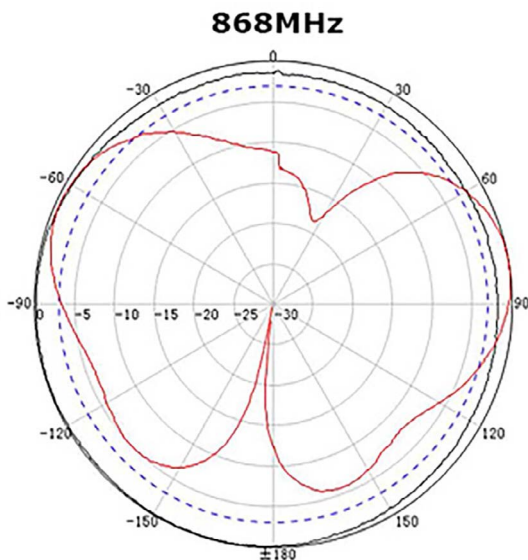


INTEGRATED LORA® ANTENNA

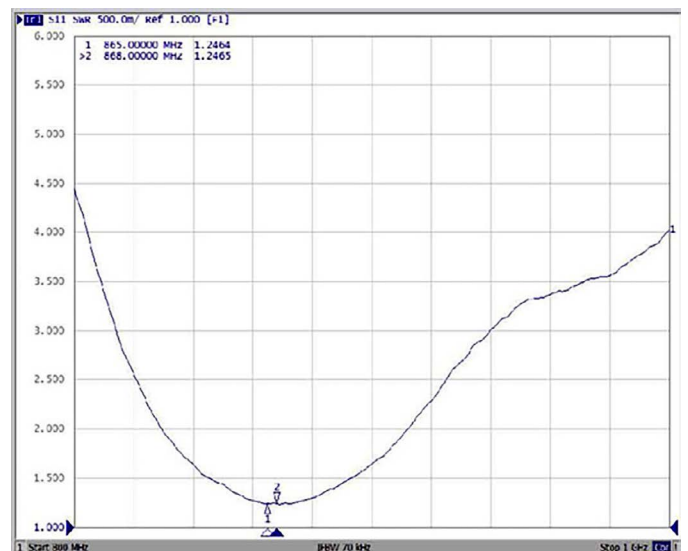


Parameter	Value
Frequency Range	863-870 MHz
Gain	5 dBi
VSWR	≤ 2.0
Radiation Pattern	Omni
Impedance	50 Ω
Connector	N male
Dimensions	∅22 × 180 mm
Weight	81.5 g
Temperature	-40 °C to 85 °C
Humidity	95% @ 25 °C

RADIATION PATTERN



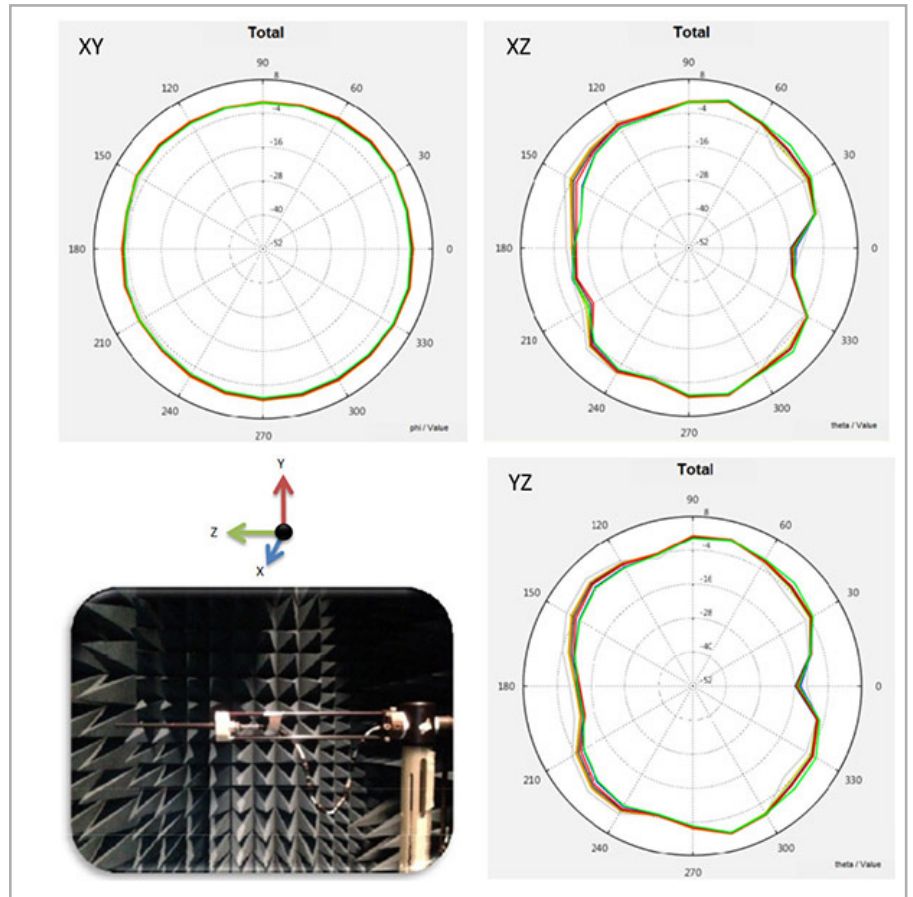
VSWR



INTEGRATED 4G/LTE ANTENNA (OPTIONAL)



Parameter	Value
Frequency Range	698-960 MHz 1710-2700 MHz
Gain	2/5 dBi
VSWR	<4.5
Radiation	Omni Direction
Horizontal Beam width	360°
Vertical Beam width	16°
Polarization	Vertical
Maximum Input Power	50 W
Impedance	50 ohm
Connector	N male
Antenna Material	Plastic
Dimensions	∅21.9x221 mm
Weight	55 g
Operating Temperature	-40 °C - 70 °C
Rated wind velocity	40 m/s



LORA ® REMOTE ANTENNA (OPTIONAL)

600mm x Ø20mm



TYPE	FIBERGLASS ANTENNA
MODEL NO.	SP-60
ELECTRICAL SPECIFICATIONS	
Frequency	824-960MHz
Bandwidth	136MHz
Gain	8dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	80°
VSWR	≤ 1.5
Radiation Properties	Omni-directional
Power Handling	100W
Polarization	Vertical
Impedance	50 Ohms
Lighting Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Lenght (mm)	Ø2*60cm
Weight	0.5kg
Connector	N Female
Color	White
ENVIRONMENTAL SPECIFICATIONS	
Wind Resistance	100km/h
Temperature Range	-40°C to 85°C

4G/LTE REMOTE ANTENNA (OPTIONAL)

600mm x Ø20mm



Parameter	Value
Frequency Range	698-960 MHz 1710-2700MHz
Gain	6/8 dBi
VSWR	<1.5
Radiation	Omni Direction
Horizontal Beam width	360°
Vertical Beam width	16°
Polarization	Vertical
Maximum Input Power	100W
Impedance	50 ohm
Connector	N female
Antenna Material	Fiberglass
Mount type	Pole
Diameter of Installation Pole	ø30-ø50 mm
Dimensions	ø20x600 mm
Weight	650g
Operating Temperatur	-40 °C - 70 °C
Rated wind velocity	60m/s

RADIATION PATTERN

