



LoRa GateWay(LGW) Specifications

2023. 11. 02

Division		Position		Name	
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Subject

1. Product Specifications
2. User Manual
3. FCC Statement

1. Product Specifications



Contents	Specifications
Product Name	LGW
Model Name	LGW
Size	W(282mm) X H(225mm) X D(99.7mm)
Input Power	AC220V
Weight	1800g
Operating Temperature	-40 ~ 85 °C
Communication	LoRa - based LPWA 867~868Mhz or 902 ~ 928MHz
Connector	M16 Circular Connector : Power Supply RJ45 Connector : Ethernet Communication N type Connector : LoRa Antenna

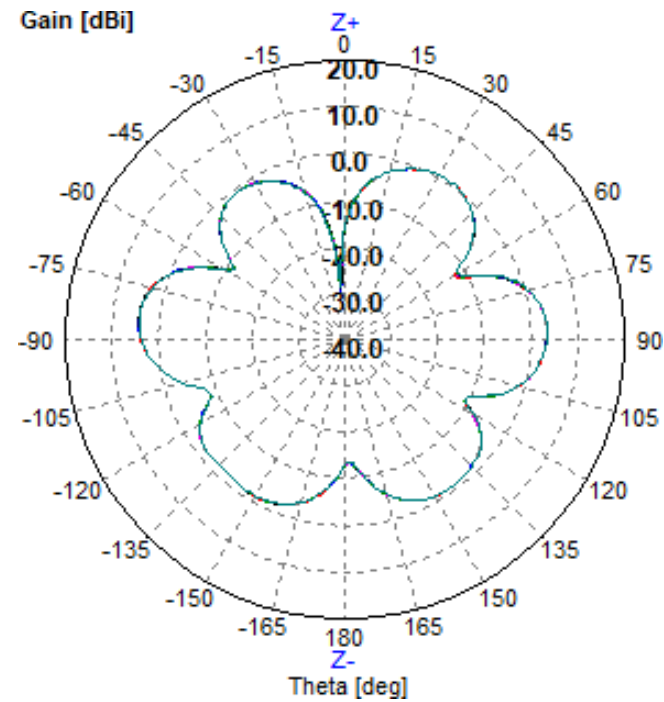
1. Product Specifications



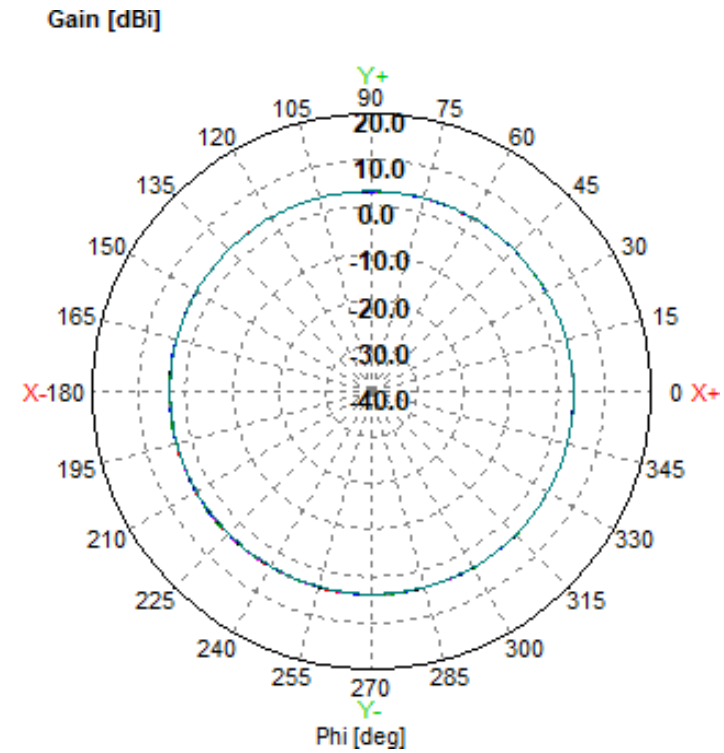
Contents	Specifications
Frequency	800 MHz ~1 GHz
Gain	3.5dBi
Horizontal Beam Width	360 °
Impedence	50 ohm
Max. Power	50W
VSWR	<2.0
Lightning Protection	DC Ground
Weight	250g
Length	570mm
Max. Diameter	44mm
Connector	N-type Female
Polarization	Vertical
Flame Rating	UL 94 HB
ROHS Compliant	Yes

1. Product Specifications

Antenna Patterns

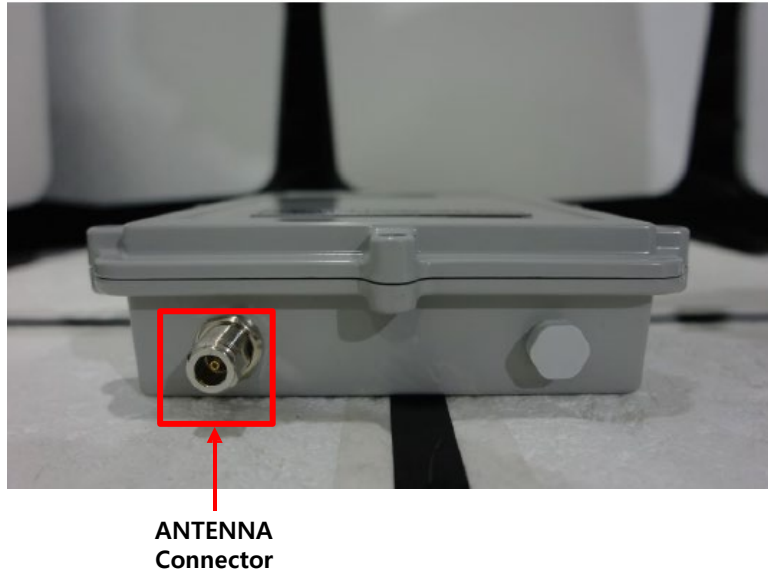
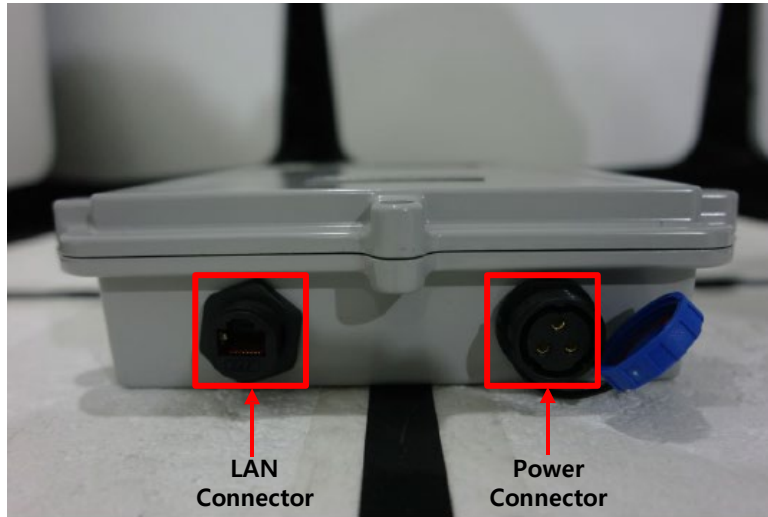


Vertical



Horizontal

2. User Manual



ANTENNA



Power Cable



LAN Cable

3. FCC Statement

FCC Part 15.19 Statements:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15.105 statement(Class A):

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Part 15.21 statement:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Statement (MPE):

The antenna(s) must be installed such that a minimum separation distance of at least 20 cm is maintained between the radiator (antenna) and all persons at all times.

3. FCC Statement

Professional installation:

This device is professional installation so it does not permit use of the antennas other than specific antennas listed below.

- . LoRa Antenna type: LoRa Dipole Antenna
- . Model name: MU-GATEWAY-ANT
- . Peak antenna gain: 3.5 dBi



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