LoryGate

Gateway

LoRa is a wireless communication technology for sensor network. It is a next generation Low Power Wide Area (LPWA) communication technology that can deliver small amounts of data to medium and long distances. LoryGate is a LoRa device server equipment that provides a communication radius of several km by applying LoRa port to general device server function. It supports LoryNet packet which connects to the other side of the world through the This allows users to configure and use Ethernet-based medium long-range wireless networks.

Wireless LoRa Network Deployment

The collected information can be connected to the Internet through an Ethernet interface and LoRa transmission and reception.
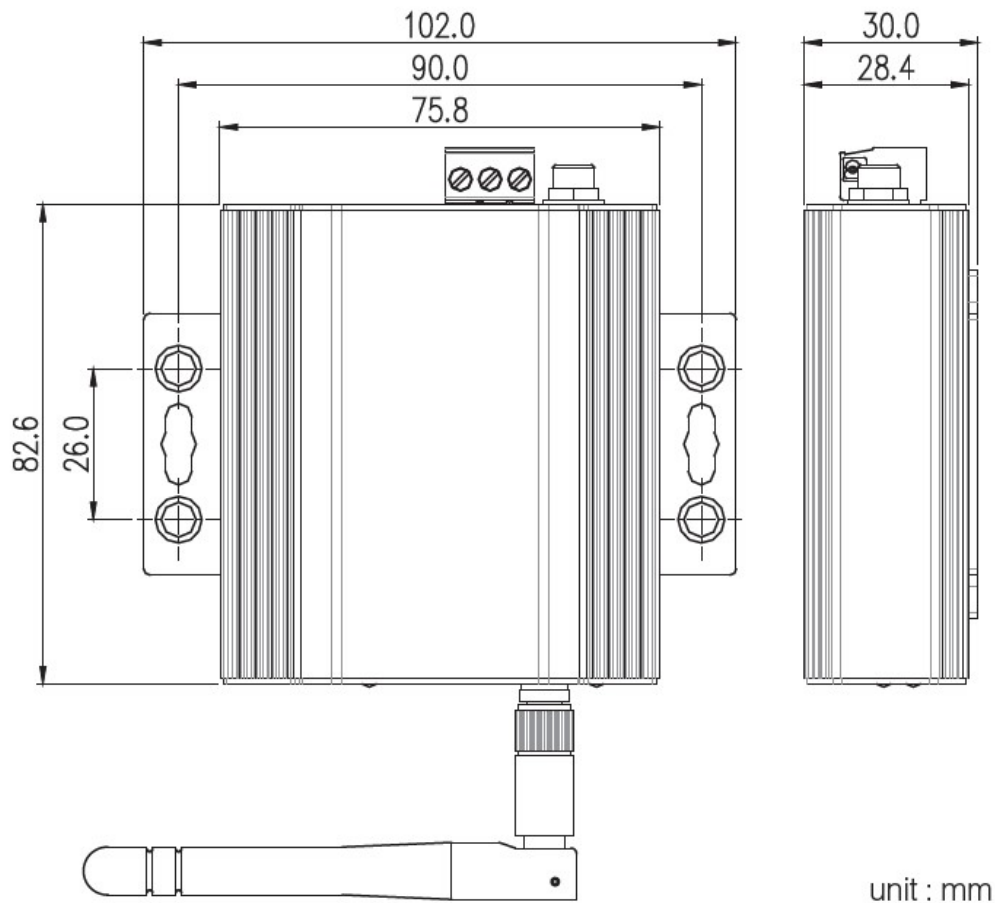
High performance and reliability

Provides long-distance communication performance of up to 20km based on open space and industrial durability at the same time.
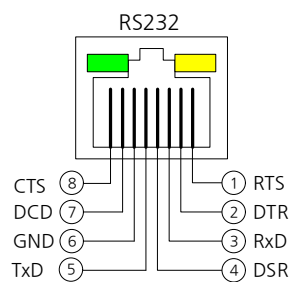
LoryNet compatible

SystemBase's LoryNet packet is applied and is compatible with the LoryNet products.

SYSTEMBASE

LoRa	Frequency		917.3MHz~921.9MHz, 922.1MHz ~ 923.3MHz
	Bandwidth		125kHz
	Spreading Factor		7, 8, 9, 10, 11, 12
	Transmission Power		Max. 25mW
	Encryption		AES 128
LAN	LAN Port		10/100Mbps RJ-45 Port
Serial	Serial Port		1 Port RJ-45 Connector type RS232(DCE) Console
	Speed		115200 bps, Data 8, Stop 1, Parity None
Hardware	Power Supply	Set	DC12V~48V, Power Consumption: 3W
		Adapter	Input: AC100~240V~, 50/60Hz, Max. 0.4A Output: DC12V, 1.0A
	Dimension		75.8(W) x 83.6(L) x 28.4(H)mm 2.98 (W) x 3.29(L) x 1.12(H)in
	Weight		205.5g (7oz)
	Operation Temperature		-40℃ ~ 85℃ (-40℉ ~ 185℉)
	Humidity		5~95% R.H
	LED		RDY(Green), Serial(Orange), LAN(Orange, Green)
	Serial Port Protection		± 15kV ESD Protection
Software	Protocol		TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SSH, SSL
	Management Tool		LoryGateView, TestView
	Configuration		Web, SSH, Telnet, LoryGateConfig
	Security		SSH
Ordering information			LoryGate-1011RIE

SYSTEMBASE

Dimension

unit : mm

Pin Assignment

RS232

CTS ⑧		① RTS
DCD ⑦		② DTR
GND ⑥		③ RxD
TxD ⑤		④ DSR

SYSTEMBASE