



Thermocouple Temperature Data Logger via WiFi

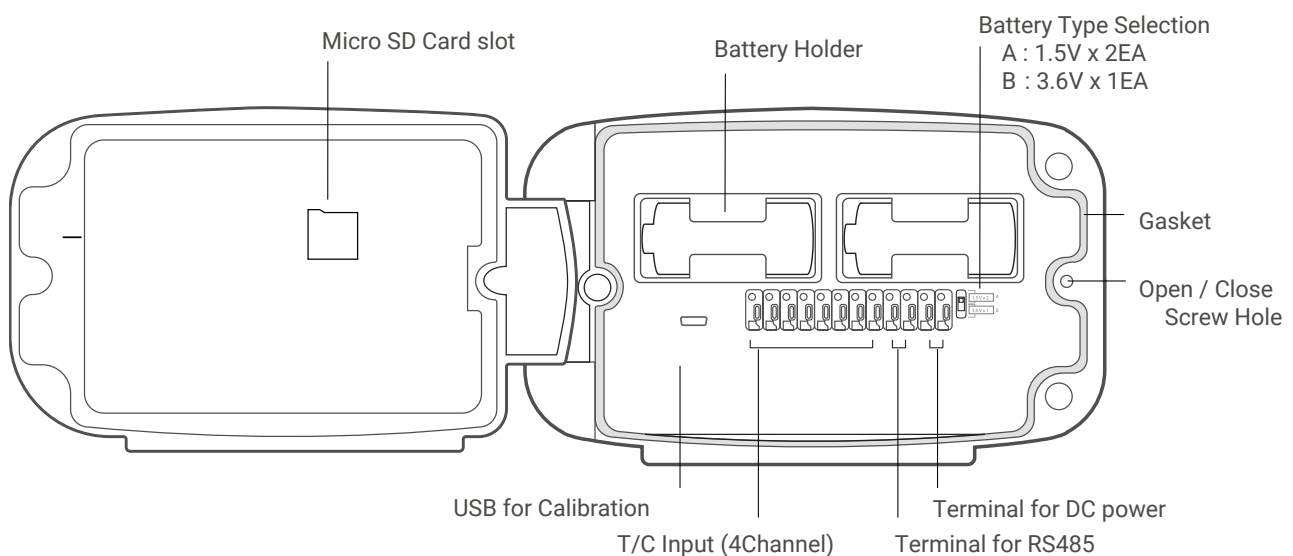
RN400-T2TS

- WiFi support b/g/n 2.4GHz
- 4 CH. Thermocouple Input
- 7 type T/C support for each CH.
- RS485 MODBUS RTU Output
- Cloud Storage / HTTP Output via Wifi
- C Type Battery / DC 5~30V
- OLED Display / micro SD / Backup FRAM



RN400-T2TS is designed to measure 4Ch Thermocouple (K,J,T,N,S,E,B,R) sensor signal and transfer them to the destination via WiFi connection. The destination would be an information system such as public cloud, local server and even PC. For high level security, it supports up to WPA2 Enterprise protocol. In addition to WiFi, RN400-T2TS can send the measured data to other traditional industrial devices such as PLC, industrial recorder and others through RS485 output. Premium RN400 T2 series have IP65 for protection, OLED screen for cold outdoor, F-RAM memory for instant backup and micro-SD card for CSV backup.

Hardware



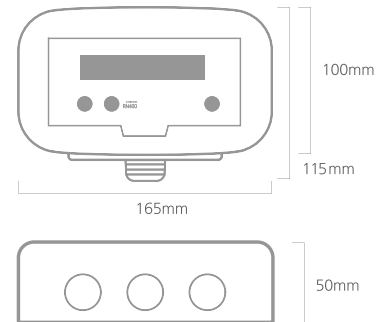


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RN400-T2TS Specifications

Communication Method	<ul style="list-style-type: none"> • 2.4GHz IEEE 802.11 b/g/n up to WPA2 Enterprise • HTTP Get/Post • RS485 MODBUS RTU(2W) ※RS485 need to use DC power adapter 	
External Sensor I/F	CH1 : T/C , CH2 : T/C , CH3 : T/C , CH4 : T/C ※Each channel can set as a different type.	
Accuracy	± 0.5 °C (typical)	
Resolution	0.0625 °C (typical)	
External Sensor	Any thermocouple sensors (K,J,T,N,S,E,B,R)	
Supported Temp. Range	K : -140 ~ 1372 °C (-220 ~ 2501°F) J : -110 ~ 1190 °C (-166 ~ 2174°F) T : -140 ~ 390 °C (-220 ~ 734°F) S : -20 ~ 1660 °C (-4 ~ 3020°F)	E : -140 ~ 990 °C (-220 ~ 1814°F) B : 600 ~ 1790 °C (1112 ~ 3254°F) R : -20 ~ 1660 °C (-4 ~ 3020°F)
	※Check the optional accessory temperature sensor specifications separately.	
Operating Condition	-20 ~ 60 °C (-4 ~ 140°F) / 0 ~ 95 %RH (non-condensing)	
Display Type (Color)	OLED 20X2 CHAR (Yellow or White)	
Sensing Interval	10sec, 1min, 5mins, 10mins, 20mins, 30mins ※10 Second Mode is supported when customer server mode	
Sending Interval	v10sec, 30sec, 60sec, 5mins, 10mins, 20mins, 30mins, 40mins, 60mins ※10 Second Mode is supported when customer server mode	
Internal Memory	F-RAM (Automatic Sample Backup available when no wifi) 1,550 Samples/CH	
External Memory	Option (16GB microSD, Permanent logging)	
Battery / LifeSpan	C Type 1.5V X 2EA OR 3.6V Li-SOCL2 X 1EA / a year with 1.5V X 2EA @ 10min sensing ※ sleep: 36uW / measuring: 84mW / wifi : 400mW	
Protection	IP65	
External Power / UPS	5~30V DC / YES (When DC Power Shutdown, the source is changed into the Battery immediately)	
How To Setup	PC Setup Software via USB Cable	
Wall Mount Types	Magnet & Screw Hole	
Weight	352 g	

Dimensions



Application

- Centralized Temperature Monitoring System
- Big Data Analysis System
- Remote Alert System

Product Components

- RN400-T2TS T/C Temperature Data logger
- 2 Type Cable Glands (PG-9 1EA/ PG11 1EA)

Optional Accessories

Product Type	Model	Cable	Spec
12V DC Power Adaptor	AP-P1	3 M	12V 500mA
T/C T-TYPE Temp Sensor	PR-T1-3	3 M	-200°C ~ 200°C Sensor Tip : SUS, 3.2φ, 50mm
	PR-T1-15	15 M	-200°C ~ 200°C Sensor Tip : SUS, 3.2φ, 50mm
T/C K-TYPE Temp Sensor	PR-K1-3	3 M	-50°C ~ 200°C Sensor Tip : SUS, 3.2φ, 50mm
	PR-K1-15	15 M	-50°C ~ 200°C Sensor Tip : SUS, 3.2φ, 50mm

Contact Information

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