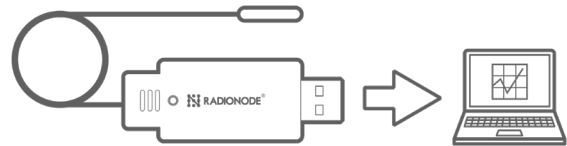




Thermocouple Temperature Transmitter via USB

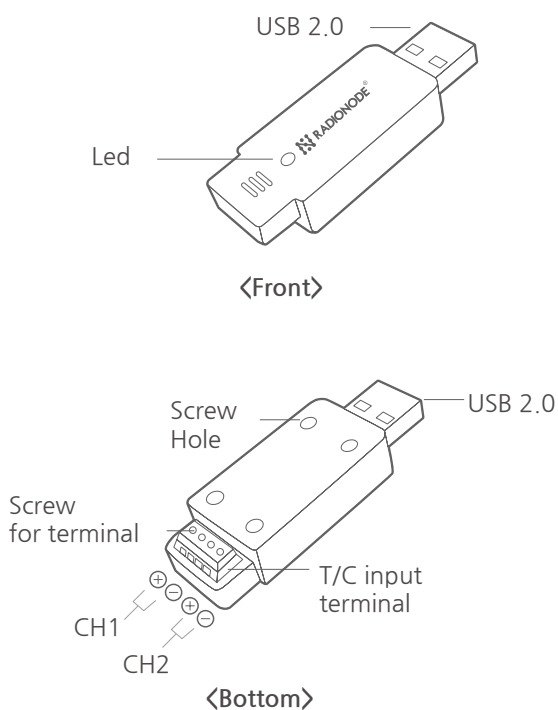
UA12

- 2CH Real-Time Temperature Transmitter
- K, J, T, N, E, S, B, R type Thermocouple Support
- Operating On Windows / Linux / MacOS / Android
- AT Command Support
- Free Recording Software (128CH)

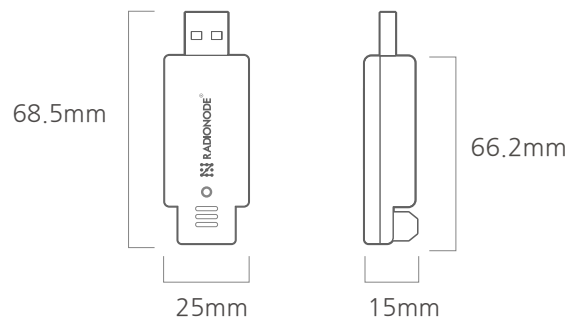


The UA12 device is a temperature transmitter that has a two thermocouple input port and one USB output. It transmits the two channel temperature information to USB host devices in real-time via the USB connector. Variable TC type(K,J,T,N,E,S,B,R) can be selected by a configuration software. It does not have a battery and a memory to store samples inside. The UA Series is automatically recognized as a serial port on operating system and accessed using the AT command. Multiple USB connection of UA device could compose the multi-channel sensor. 128CH real time monitoring software, Tapaculo Lite is downloadable on our website(www.radionode365.com).

Hardware



Dimensions



Notice

- Download the Tapaculo Lite (monitoring software on PC) from www.radionode365.com.
- Download the Tapaculo Mobile (monitoring software on Android) from google play store.

Contact Information

- www.radionode365.com
- master@dekist.com



Thermocouple Temperature Transmitter via USB

UA12 Specifications

Power	5V(USB Power), Max 90mW
External Sensor	K, J, T(Default), N, E, S, B, R type
Temp Scale	°C(Default) / °F
Sensing Interval	Min: 1000 ms
Operating Range	Temp : -40 ~ 80°C (-40 ~ 176°F) Humidity: 5 ~ 95%RH
LED	Device Status Indicator • RED KEEP ON : USB connection Failed • GREEN BLINK : Measuring Sensors
Measurement Range	Type K : -200°C to +1372°C Type J : -150°C to +1200°C Type T : -200°C to +400°C Type N : -150°C to +1300°C Type E : -200°C to +1000°C Type S : 250°C to +1664°C Type B : 1000°C to +1800°C Type R : 250°C to +1664°C ※Check the optional accessory temperature sensor specifications separately.
Accuracy	±0.5°C
Resolution	0.06 °C
Digital Filter	Moving Average (7 Levels)
Input	2CH(1CH: Temp, 2CH: Temp)
Output	USB Digital (AT command) ex> ATCD 12.11, 23.41
USB Port	USB 2.0 Type A Plug
Software Support	*Tapaculo Lite > 128CH recording software on PC *SDK Kit > AT Command Documents, Software. *Calibration Software > Calibrator that compensates measuring error.

Application

- Food storage sites(refrigerators, freezers)
- Bio-labs
- Building energy usage monitoring
- Medicine and medical goods storage sites
- Semiconductor production lines

Product Components

Model	Component
UA12	<ul style="list-style-type: none"> • UA12 device unit (1EA) • Calibration Certificate(1EA)

Optional Accessories

Type	Model Number	Spec.
Thermocouple K Type Temp Sensor	PR-K1-3	<ul style="list-style-type: none"> • Measurement Range: -50 ~ 200°C (-58 ~ 392°F) • Length: 3 Meter
	PR-K1-15	<ul style="list-style-type: none"> • Measurement Range: -50 ~ 200°C (-58 ~ 392°F) • Length: 15 Meter
Thermocouple T Type Temp Sensor	PR-T1-3	<ul style="list-style-type: none"> • Measurement Range: -200 ~ 200°C (-328 ~ 392°F) • Length: 3 Meter
	PR-T1-15	<ul style="list-style-type: none"> • Measurement Range: -200 ~ 200°C (-328 ~ 392°F) • Length: 15 Meter
Sensor data transmitter via Ethernet	RN171 WC	<ul style="list-style-type: none"> • Supports cloud monitoring • Supports MODBUS TCP/HTTP data transmission • Power: PoE 48V, IEEE802.3af/at, DC6V, 1.9W • Component: RN171(1EA), USB Config Cable(1EA)
Sensor data transmitter via WiFi	RN172 WC	<ul style="list-style-type: none"> • Supports cloud monitoring • Supports MODBUS TCP/HTTP data transmission • Power: DC6V, 2.4W • Component: RN172(1EA), USB Config Cable(1EA), DC 6V Adapter