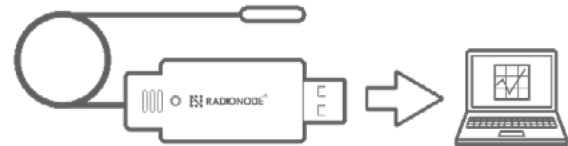




## Thermocouple Temperature Transmitter via USB

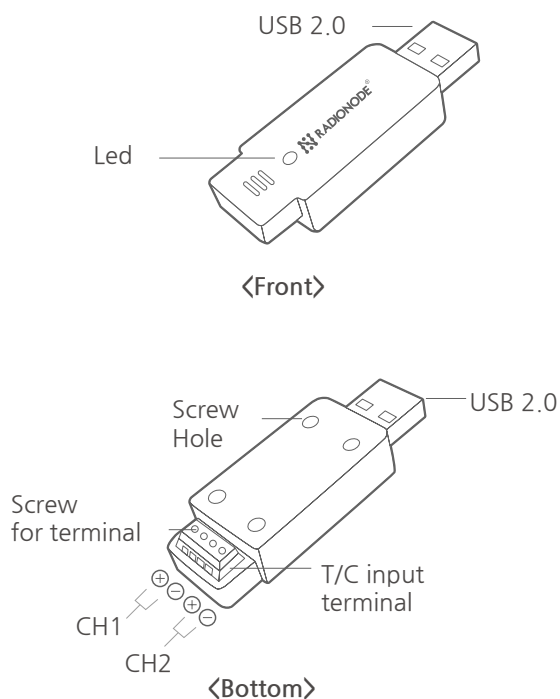
# UA11-CTS

- 2CH Real-Time Temperature Transmitter
- T type Thermocouple Support
- a Pre-Calibrated Sensor Included
- Operating On Windows/ Linux / MacOS
- AT Command Support
- PC Recording Software (Tapaculo Lite)
- Android Recording App. (Tapaculo Mobile)

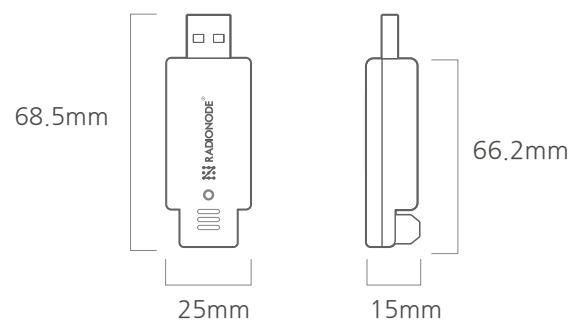


The UA11 device has a two thermocouple input port. It transmits the two channel temperature information to host devices in real-time via the USB connector. It does not have a battery and a memory to store samples inside. The UA Series is automatically recognized as a serial port on operating system and 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](http://www.radionode365.com)). And android real time recording application is also available from google play store. Optional RN17X model helps UA series for you to setup remote web monitoring system.

### Hardware



### Dimensions



### Notice

- Download the Tapaculo Lite (monitoring software on PC) **from [www.radionode365.com](http://www.radionode365.com)**.
- Download the Tapaculo Mobile (monitoring software on Android) from google play store.

### Contact Information

- [www.radionode365.com](http://www.radionode365.com)
- [master@dekist.com](mailto:master@dekist.com)



## Thermocouple Temperature Transmitter via USB

### UA11-CTS Specifications

Power	5V(USB Power), 50mW
External Sensor	Thermocouple T Type
Temp Scale	°C(Default) / °F
Sensing Interval	Min: 100ms
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	-100 ~ 300°C (-148 ~ 572°F) ※Check the optional accessory temperature sensor specifications separately.
Accuracy	±0.8°C
Resolution	0.07°C
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 Mobile > 2CH recording software on Android devices *Tapaculo Lite > 128CH recording software on PC *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
UA11-CTS	<ul style="list-style-type: none"> <li>• UA11-CTS(1EA)</li> <li>• Calibration Certificate(1EA)</li> </ul>

### Optional Accessories

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