Keilton +autani

CR01 Series
Energy Monitoring and RTC USB Dongle

CR01
(Not Included below
Lighting Card Reader and Type-C Card reader)

Lightning Card reader   **Type-C Card reader**

Description

The CR01 series USB dongles elevate the capabilities of a Keilton+autani Bluetooth mesh network zone. Integrating a Real-Time Clock (RTC) and powered by a USB-A receptacle with backup power from the integrated CR2032 battery, both versions synchronize all devices within the zone, facilitating precise and consistent scheduling across the entire system. Moreover, the CR01-ETC variant provides energy monitoring functionality, collecting and analyzing the zone's energy consumption data to generate usage reports. This empowers users with valuable insights into their energy usage, enabling informed decision-making and optimizing overall efficiency.

A raw log of energy consumption data is recorded every 15 minutes.

Features

- Powered by USB-A receptacle
- Embedded RTC to sync all devices in one Zone
- Includes an internal battery to keep time during a power outage
- Records energy consumption raw log in SIM Card (not included)

Requirements

- 1xCR2032 Battery (included)
- SD card (not included)
- Lightning card reader (not included)
- Type C card reader (not included)

Note

- SD (Secure Digital) cards, also known as TF (TransFlash) cards, are interchangeable and can be used interchangeably.
- To store up to 2 years' worth of data, an SD card with a minimum capacity of 700MB is recommended.
- The SD card must be formatted using the FAT32 file system for compatibility.
- For zones with approximately 100 nodes, the expected data generation is approximately 28MB per month.

Specifications

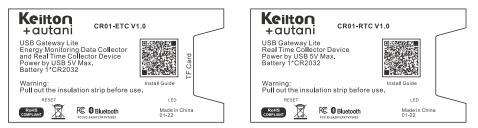|	
Input Voltage	USB 5V
Input Current	500mA Max
Bluetooth Transmit	100ft Max
Radio Frequency	2.4GHz ± 75MHz
Bluetooth Version	5.0
Housing Material	UL 94-V0
Indoor/Outdoor Use	Indoor Use Only
Operating Temperature	-30°C to 55°C, -22°F to 131°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP20
Color	White
Warranty	5 year warranty
Compliance	RoHS
Safety	FCC ID: 2A26YLTKTVT2022 DID: D061367 DLC: NLTRC5KL0TN

Ordering Information

Model	Description
CR01-ETC	Energy Monitoring and Real Time Clock USB Dongle
CR01-RTC	Real Time Clock USB Dongle

Ordering Information - Accessories

Model	Description
L-RDR	Lightning Card reader
C-RDR	Type-C Card reader

Product Label

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APIs

User Guide

App Download

Due to our continued efforts to improve our products, specifications are subject to change without notice.

Contact Us

7090 Columbia Gateway Drive, Suite 140, Columbia, MD 21046, USA

T: +1 443-320-2233 (M-F 9am-5pm ET)

E: support@autani.com