

RHF4TR03 HHU Product Brief

DESCRIPTION

RHF4TR03 is a new generation handheld Unit which supports Data reading and device control through Reelink protocol, meanwhile it also maintains all the LoRaWAN function. RHF4TR03 works at both 433~510MHz Low frequency band and 862~960 High frequency band , it will identify and select the correct hardware according to user's input parameter. RHF4TR03 HHU use embedded BLE to connect to smart phone APP , which makes it easy to use.

There is a rechargeable battery inside, it can be recharged by 5V USB , the battery capacity is up to 800mAh , capable for RHF4TR03 HHU 2 days normal use. There are LEDs for battery status indication, and one Blue LED for Bluetooth status indication, one Red LED for LoRa status indication.

It works in range -20~55°C. Benefit of the Bluetooth inside, it is easy to query and configure the device parameter through

APP with a mobile phone , and also upgrade firmware over the air. Through mobile phone APP, RHF4TR03 can also work in Reelink-Slave mode, Reelink-Master mode, LoRaWAN mode and in noise scan mode.



APPLICATIONS

- AMR-meter reading automatically
- LoRaWAN network deployment plan
- Environment noise floor scan
- LoRaWAN gateway coverage evaluation

FEATURES

- ◆ Wireless communication : Reelink、 LoRaWAN、 BLE
- ◆ Cortex-M0+ 32-bit, running up to 64MHz
- ◆ LoRaWAN: support global frequency plan CN470/EU868/US915/AS923 ...
- ◆ LoRa maximal output power 20dBm, RX sensitivity -134dBm@SF12/125KHz

- ◆ Query and configure the device parameter , and also upgrade firmware over the air through APP.
- ◆ Work in Reelink-Slave mode , implement automatic metering reading through APP.
- ◆ Work in Reelink-Master mode , implement end device data reading demo through APP.
- ◆ Work in LoRaWAN mode , implement LoRaWAN network deployment and Gateway evaluation through APP.
- ◆ Work in noise scan mode , implement Environment noise floor scan through APP.
- ◆ LED indication , 4*LEDs for battery status indication, and one Blue LED for Bluetooth status indication, one Red LED for LoRa status indication
- ◆ Optimized power consumption , battery Capacity 800mAh,average current 18mA, typical for 2 days normal use. And 1 year battery life time in standby mode.
- ◆ Rechargeable battery inside, it can be recharged by 5V USB, normally 2 hours for full charged.
- ◆ ESD protection design , contact discharge $\pm 4kV$, air discharge $\pm 8kV$.
- ◆ Operating temperature : $-20\sim 55^{\circ}C$

ORDERING INFORMATION

Model	Description
RHF4TR03-LF	RHF4TR03 HHU , Support LoRWAN , Reelink, with 470~510MHz antenna
RHF4TR03-HF	RHF4TR03 HHU , Support LoRWAN , Reelink, with 862~960MHz antenna

CONTACT

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