

Auk Bridge Relay

DESCRIPTION

The RHF3MR01 auk bridge relay is developed and designed by Ruixing Hengfang Network (Shenzhen) Co., Ltd. to address the application pain points of unstable signal and blind areas in the LoRaWAN field application. In order to help users spend the minimum cost to supplement the signal coverage of a small number of edge nodes in the LoRaWAN network that cannot be directly covered by the gateway, and increase the reliability of the LoRaWAN network.

There are buttons and LED indicators for user interaction on the outside of the Auk Bridge Relay product to assist users in the on-site installation of the equipment. Users can easily and quickly test the signal at the installation point with it, reducing on-site construction costs.



APPLICATIONS

- Various types of active reporting systems for network coverage blindness compensation
 - Smoke, fire fighting equipment
- The network coverage of various periodic reporting systems to compensate for blindness
 - Water and electricity meter

FEATURES

- IP68 ABS waterproof housing
- Support button to trigger field installation mode
- Support device status heartbeat indicator
- Ultra-low power consumption, maintenance-free during the life cycle
 - 12Ah battery, typical service life is more than 3 years
- Compatible with LoRaWAN Class A standard
- Support all standard area parameters:
 - EU868 / US915 / US915HYBRID
 - CN779 / EU433 / AU915
 - CN470 / AS923 / KR920 / IN865
- LoRaWAN OTAA
- LoRaWAN Relay Mode (Private Protocol)
 - Automatic binding and unbinding
 - Synchronous communication mechanism
 - Slave is compatible with standard LoRaWAN Class A
- Support device health monitoring (battery capacity / voltage / temperature)
 - Built-in temperature sensor for real-time temperature monitoring
 - Battery voltage and capacity detection
- Abundant downstream control interfaces

- Query, bind, and unbind relay whitelist
- Relay blacklist query, binding, and unbinding
- Query device version and firmware information
- Compatible with RisingHF LAP protocol
- Support remote wireless upgrade function (FUOTA)

ORDERING INFORMATION

Part Number	Battery Capacity	Max. Tx Power (dBm)	Remark
RHF3MR01-CN470ALID	12Ah	20	-
RHF3MR01-CN470	12Ah	20	-
RHF3MR01-EU868	12Ah	14	-
RHF3MR01-US915	12Ah	14	-
RHF3MR01-AS923	12Ah	14	-
RHF3MR01-IN865	12Ah	14	-
RHF3MR01-AU915	12Ah	14	-

Note: The product model determines the product hardware and default parameter configuration. Please confirm the specific frequency configuration information with the sales representative before ordering.

CONTACT

E-mail salesww@risinghf.com for more ordering information.