



ZHC0921 Datasheet

LoRa Node

1. Product Introduction

1.1.ZHC0921

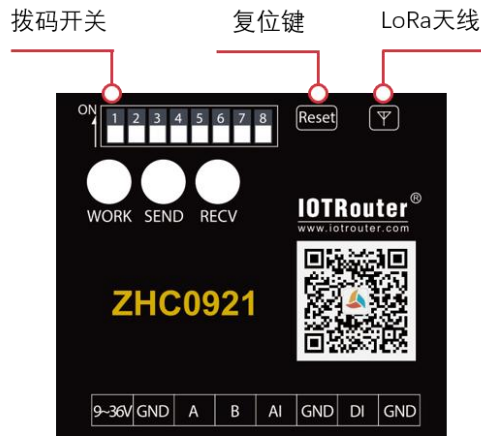
ZHC0921 is a data collection terminal based on the LoRa private protocol, which communicates with the concentrator ad hoc network, concentrator and server through the ZHC private protocol.

main feature:

- No software is required to configure the node
- Time division multiplexing to improve communication efficiency
- stand by5Device types
- Type R supports a serial port collection command, which can intercept collection responses; supports transparent transmission
- Type A supports one-way AI acquisition, and can be configured with 3 trigger reporting modes
- Type D supports one-way DI collection, and can be configured with 3 trigger reporting modes
- Type AD supports one-way AI and one-way DI collection, and 6 trigger reporting modes can be configured
- Type E supports collection to meet Multifunctional energy meter with DL/T645 protocol
- Support active detection

1. Hardware description

ZHC0921



name	Remarks
9~36V	Power supply range DC: 9~36V, terminal size 5.08mm-2
GND	Signal ground
A.B	RS485*1(A, B)
AI	1×4~20mA analog quantity detection
GND	Signal ground
DI	1×default dry node on-off detection
GND	Signal ground
WORK	Flash:Connecting to the network 4s off/500ms on:Normal work 3s always on:Fixed-point collection
SEND	Flashing means data is being sent
RECV	Flashing means that there is data reception
WORK	Fast flashing: network access for 4s off/500ms on: normal operation 3s on steady: fixed-point acquisition
Reset button	reset
Dial code openturn off	Decide on channel and frequency
LoRa antenna	IPEX base + suction cup antenna (470MHz ~ 540MHz)