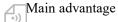


## ZHC492C LTE Cat 1 Modbus RTU



ZHC492C is a support 4-channel dry (wet) node detection, 4-channel relay (COM, NO, NC) Output, 4 channels of analog quantity (current 4~20mA) detection, 1 channel RS485 transparent network IO products, compatible with Modbus RTU/TCP protocol. With "remote control" as the core function, it is highly easy to use, users can easily and quickly integrate into their own systems to realize remote and local control based on LTE, RS485.



Support JSON, Modbus RTU/TCP

- 4 Relay output
- ✓ 4 DI (dry/wet node) input
- ✓ 4 Analog quantity (current) input
- ✓ TCP\_Client/ MQTT\_Client
- Trigger action at set time
- Cloud forwarding, cloud networking
- ✓ Local logic, inter-device logic
- ✓ Network registration package, heartbeat package
- ✓ Hardware watchdog
- ✓ Data trigger, regular report
- Remote configuration, remote upgrade
- The host computer supports configuration file import and export



















## **IOTRouter ZHC492C**

## LTE Cat 1 Modbus RTU



Frequency band

LTE-FDD B1/B3/B5/B8

LTE-TDD B34/B38/B39/B40/B41

GSM 900/1800MHz

data

LTE-FDD Max 10Mbps(DL)/Max 5Mbps(UL)
LTE-TDD Max 7.5Mbps(DL)/Max 1Mbps(UL)
EDGE Max 236.8Kbps(DL)/Max 236.8Kbps(UL)
GPRS Max 85.6Kbps(DL)/Max 85.6Kbps(UL)

Sensitivity

-97.5 dBm FDD B1 TDD B34 -96.3 dBm FDD B3 -94.3 dBm TDD B38 -97 dBm FDD B5 -97 dBm **TDD B39** -96.3 dBm -96.5 dBm -97 dBm FDD B8 TDD B40 -96 dBm TDD B41

Serial port

Number of ports RS485\*1 standard RS485: A, B Baud rate  $600 \sim 921600$ bps

Data bit 8, 9

Stop bit 0.5, 1, 1.5, 2

Check Digit NONE EVEN ODD

DO

Number of interfaces 1Relay output

standard NO\*1, COM\*1

Mechanical durability 10<sup>7</sup> Electrical durability 10<sup>5</sup>

capacity 5A 250VAC 30VDC

DI

Number of interfaces 2Switch input standard DI\*2, COM\*1

Detection range (wet 5~50V->High0~2V->Low

node)

power supply

Voltage 9~36V

Current 60mA(aver) @9V

30mA(aver) @36V

Electrical parameters

Class 3 (23 dBm  $\pm 2$  dB) for LTE-FDD bands Class 3 (23 dBm  $\pm 2$  dB) for LTE-TDD bands Class E2 (27 dBm  $\pm 3$  dB) for EGSM900 8-PSK Class E2 (26 dBm  $\pm 3$  dB) for DCS1800 8-PSK Class 4 (33 dBm  $\pm 2$  dB) for EGSM900

Class 1 (30 dBm ±2 dB) for DCS1800

EGSM900 -105 dBm DCS1800 -106 dBm

**AI** 

Number of 1Analog input

interfaces

standard AI\*1, G\*1 scope of test 4~20mA

**EMC** 

ESD IEC61000-4-2, Level 4

surge IEC61000-4-2, Level 3

Group pulse IEC61000-4-2, Level 3

