



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.



Main advantage

- ✓ 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



LTE Cat 1



logic



Multi-protocol



follow



configuration



Remotely



RoHS



industry



Protection

IOTRouter ZHC492C

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Network parameters

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

FDD B1	-97.5 dBm	TDD B34	-96.3 dBm	EGSM900	-105 dBm
FDD B3	-94.3 dBm	TDD B38	-97 dBm	DCS1800	-106 dBm
FDD B5	-97 dBm	TDD B39	-96.3 dBm		
FDD B8	-96.5 dBm	TDD B40	-97 dBm		
		TDD B41	-96 dBm		

Electrical parameters

Class 3 (23 dBm ±2 dB) for LTE-FDD bands
Class 3 (23 dBm ±2 dB) for LTE-TDD bands
Class E2 (27 dBm ±3 dB) for EGSM900 8-PSK
Class E2 (26 dBm ±3 dB) for DCS1800 8-PSK
Class 4 (33 dBm ±2 dB) for EGSM900
Class 1 (30 dBm ±2 dB) for DCS1800

Serial port

Number of ports	RS485*1
standard	RS485: A, B
Baud rate	600 ~ 921600bps
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 ⁴
Electrical durability	10 ⁵
capacity	5A 250VAC 30VDC

DI

Number of interfaces	2Switch input
standard	DI*2, COM*1
Detection range (wet node)	5~50V->High0~2V->Low

power supply

Voltage	9~36V
Current	60mA(aver) @9V 30mA(aver) @36V

AI

Number of interfaces	of 1Analog input
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