



ZHC4013

LTE Cat 1

Modbus RTU

ZHC4013 support 1 channel RS485 transparent network IO products, compatible with Modbus RTU/TCP protocol, JSON. With "remote control" as the core function, it is highly easy to use, and users can easily and quickly integrate into their own systems to realize LTE, RS485 Remote and local control.

Main advantage

- ✓ Support JSON, Modbus RTU/TCP
- ✓ IoadRS485 interface
- ✓ TCP_Client/ MQTT_Client
- ✓ Trigger action at set time
- ✓ Cloud forwarding, cloud networking
- ✓ 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 ZHC4013

LTE Cat 1

Modbus RTU



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		

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

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 \pm 2 dB) for DCS1800

EMC

ESD	IEC61000-4-2, Level 4
surge	IEC61000-4-2, Level 3
Group pulse	IEC61000-4-2, Level 3