



# ZHC1921

Ethernet

Modbus RTU



ZHC1921 is a network IO product that supports 6 channels of dry (wet) node detection, 4 channels of relay (COM, NO) output, 4 channels of analog (current 4~20mA) detection, and one serial port transparent transmission. It is compatible with Modbus RTU/TCP protocol. 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 Remote, LAN and local control of Ethernet and RS485.



## Main advantage

- ✓ 4 relay outputs
- ✓ 6 DI (dry/wet node) input
- ✓ 2 PI (pulse) counting
- ✓ 4 analog (current) inputs
- ✓ TCP\_Client/ MQTT\_Client/ TCP\_Server
- ✓ Modbus RTU/TCP
- ✓ Host, slave mode, host mode supports RS485 cascading multiple devices
- ✓ Cloud forwarding, cloud networking
- ✓ Local logic, inter-device logic
- ✓ Network registration package, heartbeat package
- ✓ Hardware watchdog
- ✓ Remote configuration, remote upgrade
- ✓ Host computer, web page
- ✓ Data trigger, regular report



WEB



logic



Multi-protocol



follow



configuration



Remotely



RoHS



industry



Protection

# IOTRouter ZHC1921

Ethernet  
Modbus RTU



## Network parameters

Network Type	Ethernet
Number of network ports (10/100M) LAN *1	
Network port type	Ethernet signal RJ45
Electromagnetic isolation protection	1.5KV electromagnetic isolation
Cross-direct connection automatic switching	
External network transformer	Not needed

## 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	4 switching outputs
standard	NO*4, COM*4
Mechanical durability	10 <sup>7</sup>
Electrical durability	10 <sup>5</sup>
capacity	5A 250VAC 30VDC

## AI

Number of interfaces	4 analog inputs
standard	AI*4, COM*2
examination range	4~20mA

## DI

Number of interfaces	6 switch inputs
standard	DI*6, COM*1
Detection range (wet node)	5~50V->High 0~2V->Low

## PI

Number of interfaces	2 pulse count
standard	PI*2, COM*1
examination range	10000Hz

## power supply

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

## EMC

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