



**ZHC1661**

**Ethernet**

**Modbus RTU**



ZHC1661 is a network IO product that supports 4 channels of analog detection (current 4~20mA), 2 channels of analog output (current 4~20mA) and one serial port transparent transmission, compatible with Modbus RTU/TCP protocol. With "remote control" as the core function, it is highly usable, and users can easily and quickly integrate it into their own systems to realize remote, local area network and local control based on Ethernet and RS485.

## Main advantage

4 analog (current) inputs

2 analog (current) outputs

AO follows AI (local, remote)

MQTT

TCP\_Client/ TCP\_Server

Modbus RTU/TCP

Master, slave mode, master mode supports RS485 cascade 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, timing report

Network parameters		Serial port	
Network Type	Ethernet	number of ports	RS485*1
Number of network ports (10/100M)	LAN *1	standard	RS485: A, B
Network port type	Ethernet signal RJ45	baud rate	600~921600bps
Electromagnetic isolation protection	1.5KV Electromagnetic Isolation	data bits	8, 9
Crossover direct connection automatic switching	—	stop bit	0.5 , 1 , 1.5 , 2
External network transformer	unnecessary	Check Digit	NONE EVEN ODD
AI		AO	
Number of interfaces	4 analog inputs	Number of interfaces	4 analog outputsout
standard	AI*4, GND*2	standard	AO*2, G*1
scope of test	4~20mA	scope of test	4~20mA
Power supply		EMC	
Voltage	12~36V	ESD	IEC61000-4-2, Level 4
current	60mA(aver) @12V	surge	IEC61000-4-2, Level 3
	30mA(aver) @36V	group pulse	IEC61000-4-2, Level 3