

Protocol: Modbus RTU

Protocol settings:

Parameter name	Parameter value	Note
Baudrate, bit/s	115200	By default
Number of information bits	8	
Number of stop bits	1	
Number of start bits	1	
Parity check	None	
Checksum	Yes	CRC16
Communication type	Half duplex	
End of frame	No signal for 3.5 symbols	Depends on the boudrate
Number of discrete outputs	256	
Number of discrete inputs	256	
Number of Holding registers	256	
Number of Input registers	256	

Register Map Description

1. Coils (discrete outputs). Quantity: 256.

Used by functions:

Read Coil Status (0x01)

Force Single Coil (0x05)

Force Multiple Coils (0x0F)

Register address	Parameter	Access mode	Type
0	Output 1	read/write	bit
1	Output 2	read/write	bit
...
255	Output 256	read/write	bit

2. Discrete Inputs (discrete inputs). Quantity: 256.

Used by functions:

Read Discrete Inputs (0x02)

Register address	Parameter	Access mode	Type
0	Input 1	read	bit
1	Input 2	read	bit
...
255	Input 256	read	bit

3. Holding Registers. Quantity: 256.

Used by functions:

Read Holding Registers (0x03)

Preset Single Register (0x06)

Preset Multiple Registers (0x0A)

Register address	Parameter	Access mode	Type
0	Parameter 1	read/write	word
1	Parameter 2	read/write	word
...
255	Parameter 256	read/write	word

4. Input Registers. Quantity: 256.

Used by functions:

Read Input Registers (0x04)

Register address	Parameter	Access mode	Type
0	Parameter 1	read	word
1	Parameter 2	read	word
...
255	Parameter 256	read	word