Ask AI

Modbus RTU PWM Input 8CH



SKU	Product
33919	Modbus RTU PWM Input 8CH

Hardware Description

Product Parameters

Parameter	Specification
Communication Interface	RS485

Parameter	Specification
Communication Baud Rate	4800, 9600, 19200, 38400, 57600, 115200, 128000, 256000
Default Communication Format	9600, N, 8, 1
Modbus Protocol	Standard Modbus RTU Protocol
Supply Voltage	DC 7~36 V
Pulse Input Voltage Range	3.3 V ~ 30 V
Pulse Frequency Measurement Range	400 Hz ~ 50 kHz
Pulse Resolution	0.01 Hz
Pulse Accuracy	5‰
Duty Cycle Measurement Range	0 ~ 100 %
Duty Cycle Resolution	0.01 %
Duty Cycle Accuracy	5 ‰

Indicator Light Description

Indicator Light	Status Description
STATUS LED	MCU indicator, flashes when the MCU is operating normally
TXD LED	Transmission indicator, lights up when data is being sent
RXD LED	Reception indicator, lights up when data is being received

Hardware Description

CHN+ is the positive input, CHN- is the negative input. The PWM measurement frequency range is 400 Hz ~ 50 kHz, and the duty cycle range is 0 ~ 100%.



Hardware Connection Description

Connect the USB TO 485 converter to the target board using jumper wires, connecting A-->A and B-->B as shown in the figure below:



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