Serial Device Server

WI-IOT411T/WI-IOT411D

Overview

WI-IOT411 series serial device server, also called terminal server or serial server, is a converter between asynchronous serial port RS232/422/485 and Ethernet. It is a standalone intelligent device with CPU and full TCP/IP protocol stack. It accomplishes transparent data transfer between RS232/422/485 and Ethernet in both directions, allowing RS232/422/485 serial devices to connect to the network immediately. The converter provides a web configuration interface that allows the user to set the converter's operating parameters flexibly. The small size and industrial-grade high standard design make it easy for customers to install and use;
it is widely used in industrial communication and data conversion systems.

Main Functions & Features

- Bidirectional data transmission over Ethernet and RS-232/485/422
- Integrated 1 RS-232/485/422 communication interface, supporting 300bps-921600bps communication rate
- Integrated 1 10M/100M Ethernet interface
- Power supply interface: DC-JACK, 5.08-2P Phoenix terminal
- Parity bit: None,Odd,Even
- Data bit 5, 6,7,8
- Stop bit 1, 1.5, 2
- Flow control RTS/CTS, XON/XOFF
- Working voltage: DC 5V±5%
- Working current: ≤ 80mA@5V
- Operating temperature: -40~85°C
- Storage temperature: -40~85°C
- Operating humidity: 5~95% (no condensation)
- Storage humidity: 5~95% (no condensation)
- Electrostatic protection: air 4kV, contact 4kV
- Surge protection: Serial port 600W

Indicator Light

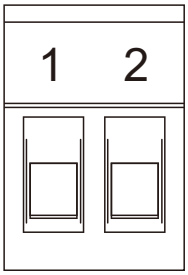
- PWR: red, power indicator; long light when power supply is normal
- RUN: green, system operation indicator; flashes when the system is running normally
- DATA: green, communication indicator; light is on when the serial port sends or receives data; off when sending or receiving is completed

Key Definition

- Reset: button, press for 1 second to reset the system, press for 5 seconds to restore the device to factory setting

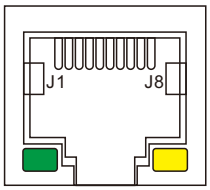
Pin Definition

- WI-IOT411 series power supply pin definition:



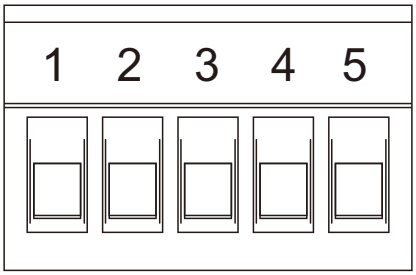
No.	Signal	Description
1	GND	Power input ground
2	VCC	Power input positive

- WI-IOT411 series network pin definition:

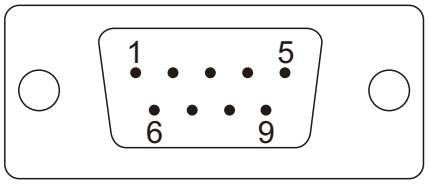


RJ45	Definition	Description
1	TX+	Transmitting Signal +
2	TX-	Transmitting Signal -
3	RX+	Receiving Signal+
6	RX-	Receiving Signal-
4,5,7,8	-	-

- WI-IOT411 series serial port pin definition:

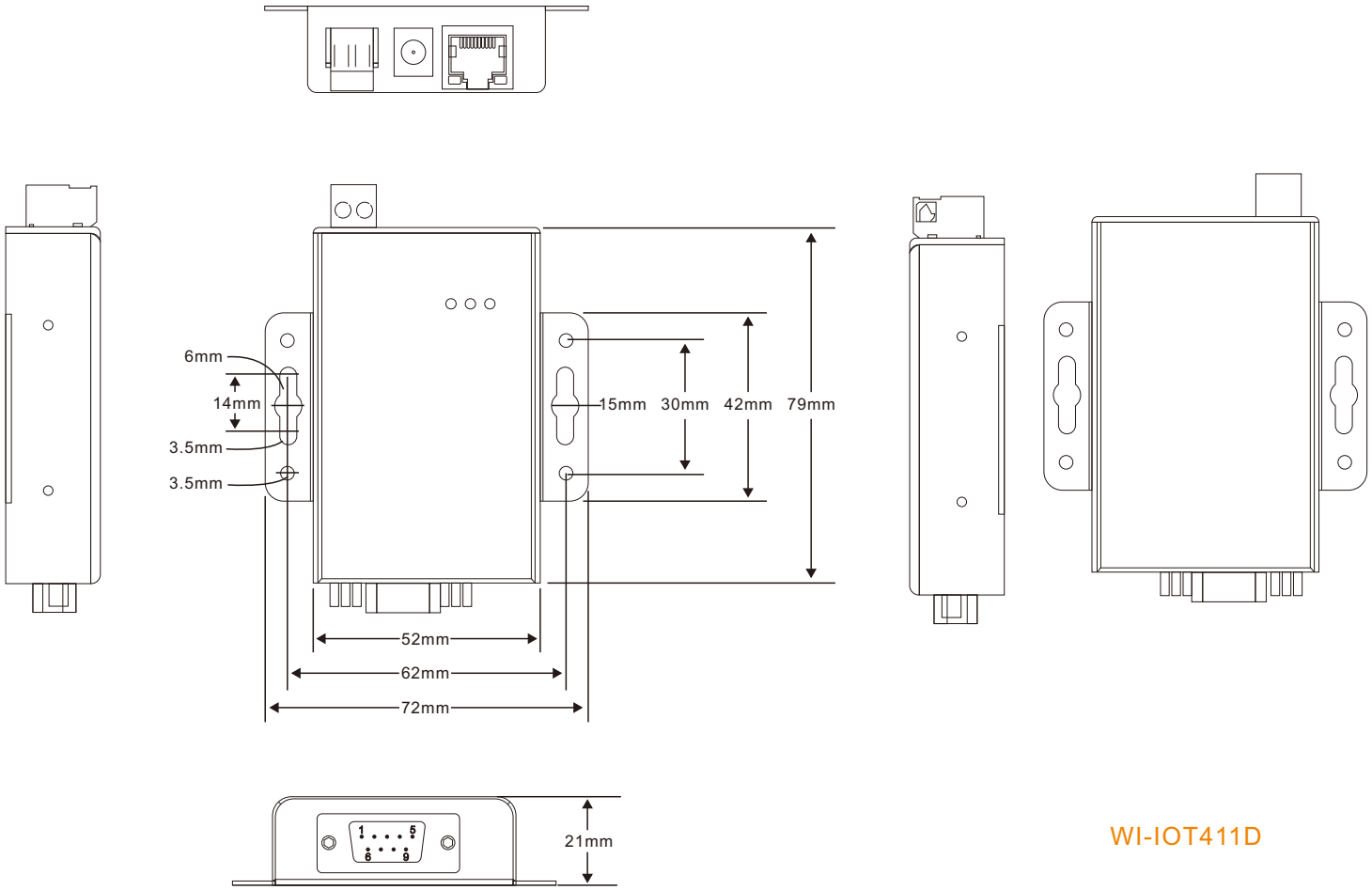


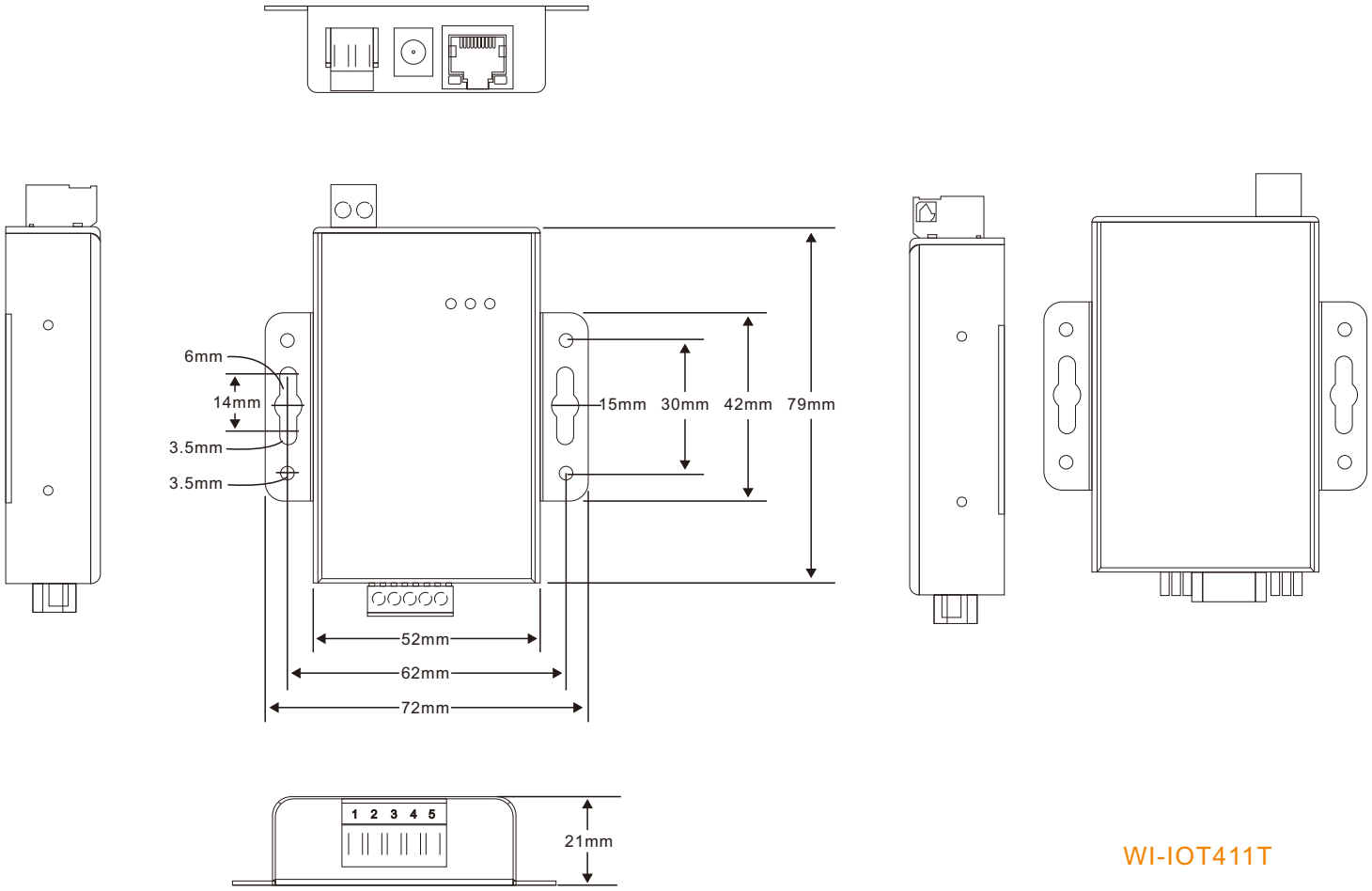
Model		WI-IOT411T	
NO.	Signal	RS-485	RS-422
1	T/R+	485-A	422 transmitting+
2	T/R-	485-B	422 transmitting-
3	RXD+	-	422 receiving+
4	RXD-	-	422 receiving-
5	GND	GND	GND



Model	WI-IOT411D
No.	RS-232
1	-
2	RXD(RS-232 receiving)
3	TXD(RS-232 transmitting)
4	-
5	GND
6	-
7	RTS
8	CTS
9	-

Structure Dimensions




6mm
14mm
3.5mm
3.5mm
15mm
30mm
42mm
79mm
52mm
62mm
72mm
1 2 3 4 5
21mm

WI-IOT411T

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Company Website

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