

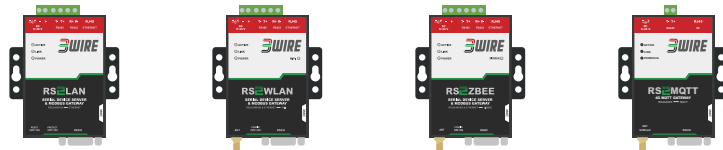


## INTRODUCTION

3Wire is a series of Advanced Industrial Grade Serial Device Server which consist of **RS2LAN**, **RS2WLAN**, **RS2ZBEE** and **RS2MQTT**.

Each type will serve different applications such as connection of PLC, DPM, alarm sensor and PTZ camera control to IP networks or IoT platform.

## SPECIFICATIONS



<b>RS2MQTT</b>	<b>GENERAL SPECS</b>	Interface Power Supply Dimensions	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)
	<b>CELLULAR</b>	Supported Modes	4G CAT 1 Supports 2G & 4G B1 / B3 / B5 / B8 @ FDD LTE B34 / B38 / B39 / B40 / B41 @ TDD LTE B3 / B8 @ GSM
		Transmission Rate (Maximum)	LTE : 10Mbps (downlink) & 5Mbps (uplink) GPRS : 85.6Kbps (downlink) 85.6Kbps (uplink)
	<b>SERIAL PARAMETERS</b>	Baud Rate Data Bits Parity	300 ~ 921600bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space
	<b>COMMUNICATION</b>	Ethernet Serial	10M / 100M, 2kV Surge Protection RS232 / 485 / 422 x 1: RXD, TXD, GND, CTS, RTS
<b>POWER REQUIREMENT</b>			
9~24V DC, 80mA@12V; 40mA@24V			
<b>ENVIRONMENT</b>	Operation Temperature Storage Temperature Humidity	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)	

<b>RS2LAN</b>	<b>GENERAL SPECS</b>	Interface Power Supply Dimensions	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)
	<b>INTERFACE</b>	Ethernet	10M / 100M, 2kV Surge Protection RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	<b>SERIAL PARAMETERS</b>	Baud Rate Data Bits Parity	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	<b>COMMUNICATION</b>	Protocol Configuration Net Communication Mode	RS485/422: Terminal; RS232: DB9 5.5mm, Inside positive outside negative, standard outlet Direct TCP/IP, Virtual Serial Port TCP Server, TCP Client, UDP, UDP Multicast
<b>POWER REQUIREMENT</b>			
9 ~ 24V DC, 80mA@12V : 40mA@24V : 20mA@48V			
<b>ENVIRONMENT</b>	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

<b>RS2WLAN</b>	<b>GENERAL SPECS</b>	Interface Power Supply Dimensions	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)
	<b>INTERFACE</b>	Ethernet WIFI Serial	10M / 100M, 2kV Surge Protection 802.11b/g RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	<b>SERIAL PARAMETERS</b>	Baud Rate Data Bits Parity Flow	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	<b>COMMUNICATION</b>	Protocol Configuration Net Communication Mode	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP,DNS 3Wire Device Management Software & WEB Browser Direct TCP/IP, Virtual Serial Port TCP Server, TCP Client, UDP, UDP Multicast
	<b>POWER REQUIREMENT</b>		
9 ~ 24V DC, 80mA@12V : 40mA@24V : 20mA@48V			
<b>ENVIRONMENT</b>	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

<b>RS2ZBEE</b>	<b>GENERAL SPECS</b>	Interface Power Supply Dimensions	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)
	<b>INTERFACE</b>	Ethernet Zigbee Serial	10M / 100M, 2kV Surge Protection IEEE 802.15.4 RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	<b>SERIAL PARAMETERS</b>	Baud Rate Data Bits Parity	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	<b>ZIGBEE</b>	Zigbee Standard WLAN Mode Transmission Distance Wireless Channel Frequency Range Transmit Power Modulation System Anticollision Loop	IEEE 802.15.4 Multi-Serial, Star & Mesh upto 2000m 16 2.405 GHz ~ 2.480 GHz +25dBm (max) DSSS CSMA-CA and GTS CSMA-CA
	<b>COMMUNICATION</b>	Protocol Configuration Net Communication Mode	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP,DNS 3Wire Device Management Software & WEB Browser Direct TCP/IP, Virtual Serial Port TCP Server, TCP Client, UDP, UDP Multicast
<b>POWER REQUIREMENT</b>			
9 ~ 24V DC, 80mA@12V : 40mA@24V : 20mA@48V			
<b>ENVIRONMENT</b>	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

# ARCHITECTURE DIAGRAM

