



INTRODUCTION

3Wire offers a series of Industrial Grade IoT Gateway products which includes **RS2LAN**, **RS2WLAN**, **RS2ZBEE** and **RS2MQTT**.

These devices offer complete flexibility in connecting your PLC, Power Meters, Sensors & Serial Devices to any IoT platform, BMS or SCADA.

SPECIFICATIONS



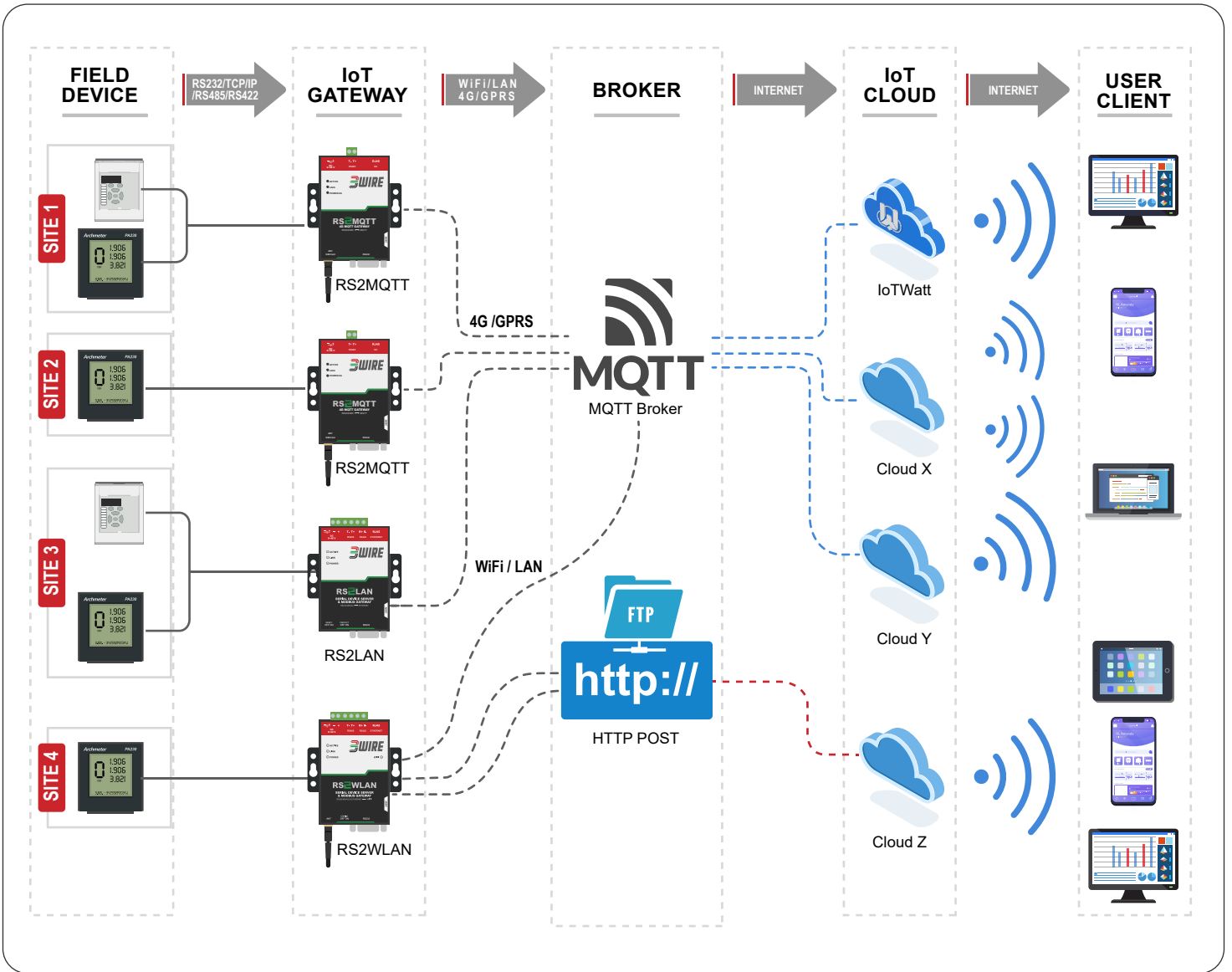
RS2MQTT	GENERAL SPECS	Interface Power Supply Dimensions	RS485/422: Terminal; RS232: DB9 5.5mm Plug & 2 Way Pluggable Terminal Block 94mm (L) x 65mm (W) x 25mm (H)
	CELLULAR	Supported Modes	4G CAT 1 Supports 2G & 4G B1 / B3 / B5 / B8 @ FDD LTE B34 / B38 / B39 / B40 / B41 @ TDD LTE B3 / B8 @ GSM
		Transmission Rate (Maximum)	LTE : 10Mbps (downlink) & 5Mbps (uplink) GPRS : 85.6Kbps (downlink) 85.6Kbps (uplink)
	SERIAL PARAMETERS	Baud Rate Data Bits Parity	3V & 1.8V; Standard SIM 50Ω / SMA Type 300 ~ 921600bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space
	COMMUNICATION	Ethernet Serial	10M / 100M, 2kV Surge Protection RS232 / 485 / 422 x 1: RXD, TXD, GND, CTS, RTS
POWER REQUIREMENT			9~24V DC, 80mA@12V; 40mA@24V
ENVIRONMENT	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)	

RS2LAN	GENERAL SPECS	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)
	INTERFACE	Ethernet	10M / 100M, 2kV Surge Protection RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	SERIAL PARAMETERS	Baud Rate Data Bits Parity	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	COMMUNICATION	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
	POWER REQUIREMENT		
ENVIRONMENT	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

RS2WLAN	GENERAL SPECS	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)
	INTERFACE	Ethernet WIFI Serial	10M / 100M, 2kV Surge Protection 802.11b/g RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	SERIAL PARAMETERS	Baud Rate Data Bits Parity Flow	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	COMMUNICATION	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
	POWER REQUIREMENT		
ENVIRONMENT	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

RS2ZBEE	GENERAL SPECS	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)
	INTERFACE	Ethernet Zigbee Serial	10M / 100M, 2kV Surge Protection IEEE 802.15.4 RS232/485/422x1: RXD, TXD, GND, CTS, RTS
	SERIAL PARAMETERS	Baud Rate Data Bits Parity	1200 ~ 115200bps 5 bits ~ 9 bits None, Odd, Even, Mark, Space RTS / CTS, XON / XOFF, NONE
	ZIGBEE	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
	COMMUNICATION	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
POWER REQUIREMENT			9 ~ 24V DC, 80mA@12V : 40mA@24V : 20mA@48V
ENVIRONMENT	Operation Temperature Storage Temperature Humidity	-40°C ~ 85°C -45°C ~ 125°C 5 ~ 95% RH	

3WIRE IOT GATEWAY



IOT CONNECTION DIAGRAM

