



## INTRODUCTION

**3Wire RS2LAN** is an Advanced Industrial Grade Serial Device Server with Modbus Gateway features (converts Modbus RTU to Modbus TCP). It enables hosts to control RS232 / 485 / 422 serial devices located virtually anywhere through a TCP/IP or UDP/IP connection.

It connects serial devices such as PLC, DPM, alarm sensor and PTZ camera control to IP networks. Applications include Industrial/Factory Automation, AMR, Energy Management and Surveillance Systems.

**RS2LAN** can operate as Modbus TCP Master, Modbus TCP Slave, Paired Mode, Bridge Mode with the data connection thru direct IP or Virtual COM.

## FEATURES

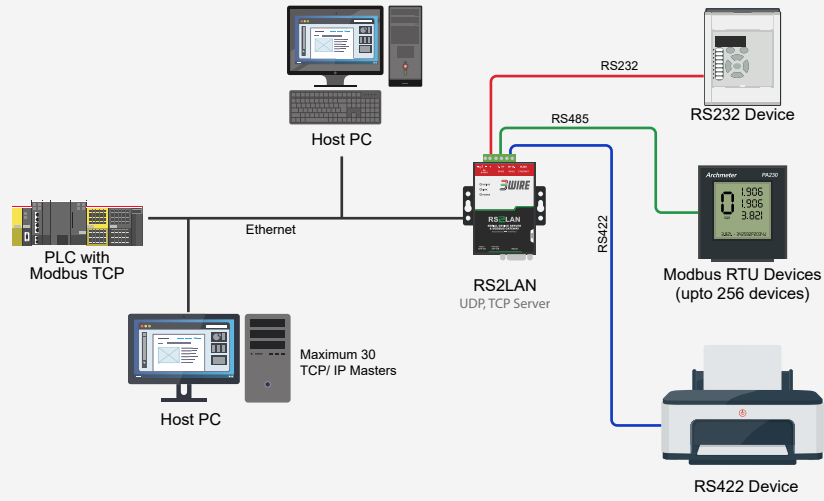
- Optical isolation of 1500V on RS485 / RS422 data lines; 2kV surge protection on Ethernet Port
- Supports baud rate of 1200bps ~ 115200bps, 5 ~ 9 bits and parity can be "None", "Odd", "Even", "Mark" & "Space"
- Serial port interface for RS232 / 485 / 422; terminal block for RS485 & RS422 and DB9 for RS232 Upto 256 slaves connected on RS485 / 422 bus
- Multi-mode operation; TCP Server, TCP Client, UDP Mode, UDP Multicast
- Modbus TCP Gateway function (converts Modbus RTU to Modbus TCP)
- Supports 30 TCP clients at TCP Server and 7 destination IP as TCP Client
- Supports 10/100 Mbps Ethernet
- Power / Link / Active LED indicator
- Heartbeat & Keep Alive function ensures a reliable connection
- Back to factory configuration by external switch
- Virtual Port operation using 3Wire ComPort Emulator software
- Automatic discovery and configuration using provided 3Wire Device Management software or Web Browser configuration
- Wide voltage 9VDC ~48VDC with dual voltage input; Screw Terminal or DC-Jack
- Plug-in screw terminal wiring; accepts AWG12 ~AWG30 wires



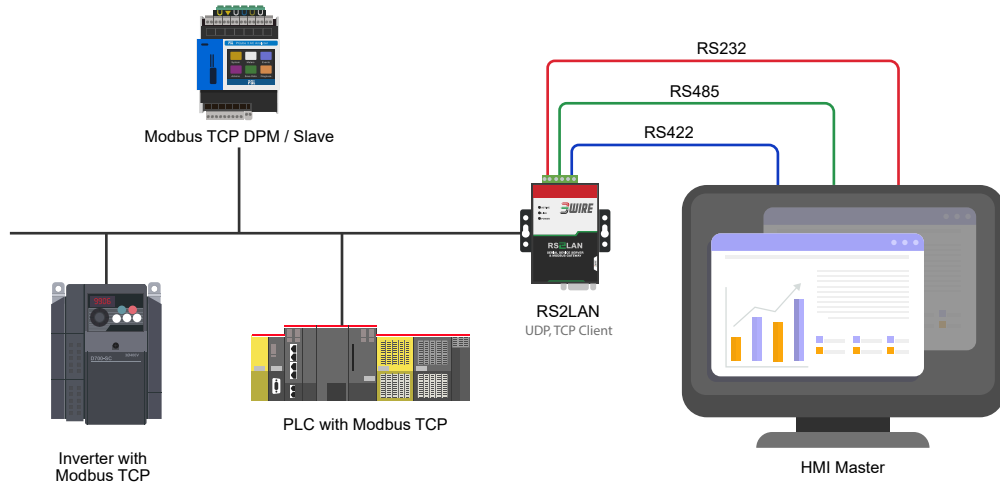
## SPECIFICATIONS

GENERAL SPECS		COMMUNICATION	
Interface	RS485/422: Terminal; RS232: DB9	Protocol	RS485/422: Terminal; RS232: DB9
Power Supply	5.5mm Plug & 2 Way Plugable Terminal Block	Configuration	5.5mm, Inside positive outside negative, standard outlet
Dimensions	94mm (L) x 65mm (W) x 25mm (H)	Net Communication	Direct TCP/IP, Virtual Serial Port
		Mode	TCP Server, TCP Client, UDP, UDP Multicast
INTERFACE		POWER REQUIREMENT	
Ethernet	10M / 100M, 2kV Surge Protection	9 ~ 48V DC. 80mA@12V : 40mA@24V : 20mA@48V	
Serial	RS232 / 485 / 422 x 1: RXD, TXD, GND, CTS, RTS		
SERIAL PARAMETERS		ENVIRONMENT	
Baud Rate	1200 ~ 115200bps	Operation Temperature	-40°C ~ 85°C
Data Bits	5 bits ~ 9 bits	Storage Temperature	-45°C ~ 125°C
Parity	None, Odd, Even, Mark, Space	Humidity	5 ~ 95% RH
Flow	RTS / CTS, XON / XOFF, NONE		

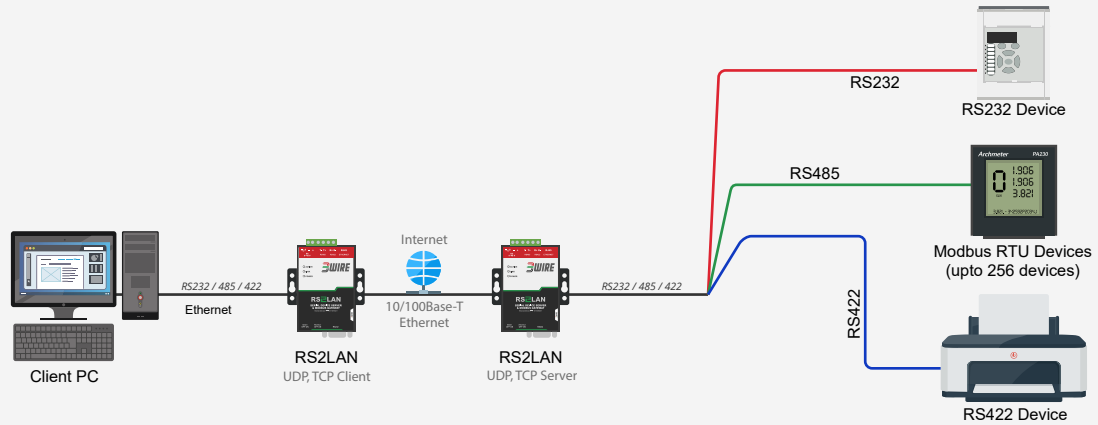
**RS2LAN**  
@MODBUS TCP SERVER  
TO SERIAL DEVICE MODE



**RS2LAN**  
@MODBUS TCP CLIENT  
TO SERIAL MASTER MODE



**RS2LAN**  
@PAIR BRIDGE MODE



**RS2LAN**  
@BRIDGE MODE

