

RS2LAN

Serial Device Server
& Modbus Gateway



INTRODUCTION

3Wire RS2LAN is a 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

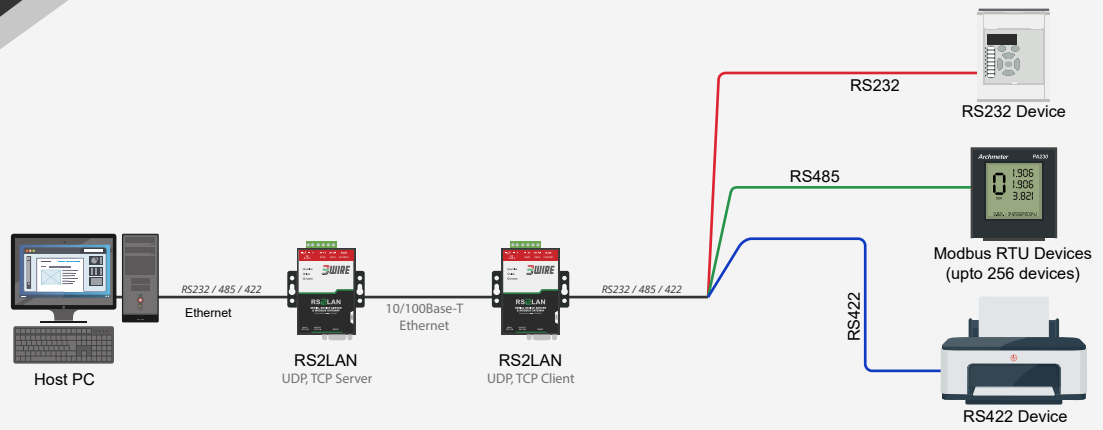
- Optical isolation of 1500V on RS485 / RS422 data lines; 2kV surge protection on Ethernet Port
- Supports baud rate of 1200bps ~ 115200bps, 5 ~ 9 bits and parity can be "None", "Odd", "Even", "Mark" & "Space"
- Serial port interface for RS232 / 485 / 422; terminal block for RS485 & RS422 and DB9 for 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



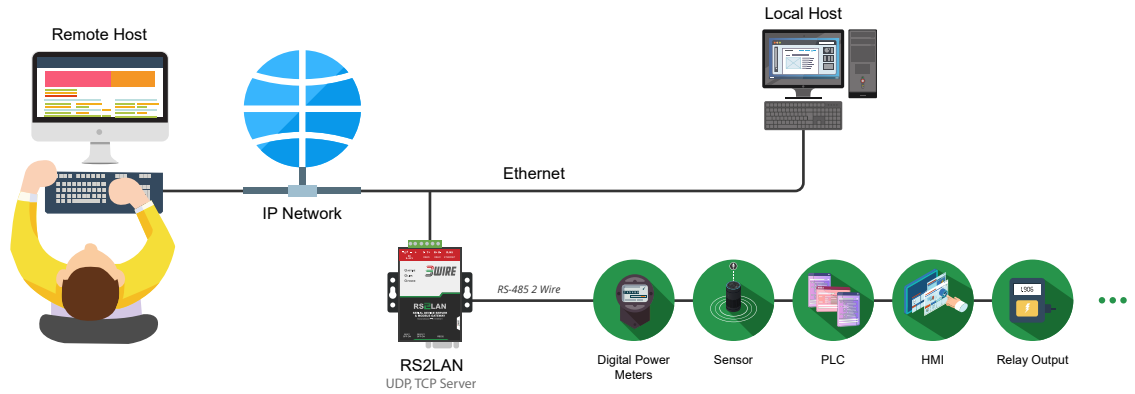
SPECIFICATIONS

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		

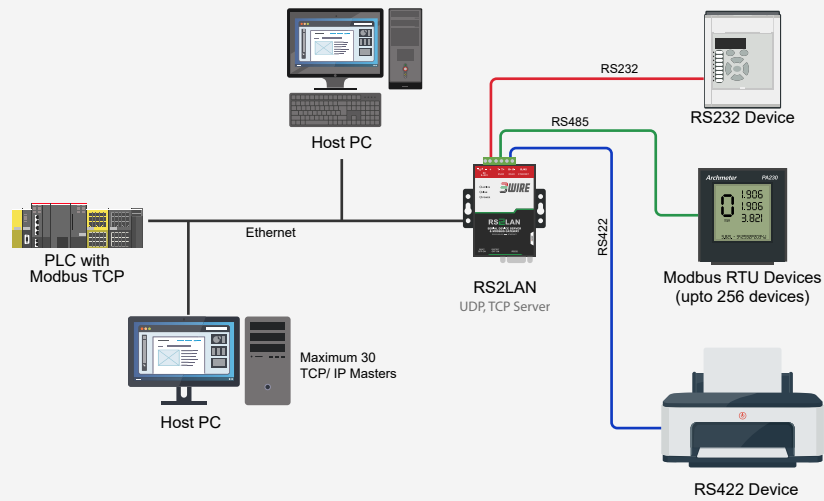
RS2LAN
@PAIR MODE



RS2LAN
@BRIDGE MODE



RS2LAN
@MODBUS TCP MASTER TO SERIAL SLAVE MODE



RS2LAN
@MODBUS TCP SLAVE TO SERIAL MASTER MODE

