

Features

- Support 2 serial port to 1 10/100Base-T(X) Ethernet interface
- Support 1 RS-485/422 port and 1 RS-232 port
- Advanced TCP Server, Advanced UDP and other operating modes
- High strength IP40 shell and industrial-grade EMC design
- Metal case, 35mm DIN-Rail Mounting
- Support 12~48VDC power input
- Support -40~85°C wide operating temperature range

RS PRO

2-port RS-232/485/422 to Ethernet Device Server

RS Stock No.: 0149184



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

This RS PRO series are the serial device server that can make serial device be equipped with networking capability instantly and centrally manage the scattered serial devices and hosts via network.

This series include 2 types of products and provide 2 RS-485 or RS-485/422/232 to 100M Ethernet copper port.

Serial device server supports multiple network protocols, such as TCP, UDP, TELNET, ARP, HTTP, DNS and DHCP protocol.

Provide TCP server, TCP client, UDP three serial transmission mode, 110~115200bps line speed non-blocking communication.

Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC.

Based on industrial installation requirements, this series adopts high-strength IP40 protective casing, industrial-grade EMC design.

It adopts DIN-Rail or wall mounting to meet the requirements of different application scenes.

This product adopts the industry's excellent network program, -40~75°C working temperature range, can satisfy all kinds of industrial site requirements, provide convenient serial port communication solutions.

It can be widely used in PLC control and management, Building Automation System, Health Care Automation System, measuring instrument and environmental forces monitoring system.

General Specifications

Ethernet	Standard: 10Base-T, 100Base-TX Rate: 10/100M Automatic Flow Control, MDI/MDI-X Autotuning Interface quantity: 1 Interface form: RJ45 Duplex mode: Full/Half Duplex Mode Self-adaptive Protocol: TCP, UDP, ARP, HTTP, ICMP, DHCP, DNS Operating mode: TCP Server, TCP Client, UDP Server, UDP Client
Serial Port	Standard: RS-485/422, RS-232 RS-422 signal: TX+, TX-, RX+, RX-, GND RS-485 signal: D+, D-, GND

	RS-232 signal: TX, RX, GND Check digit: None, Even, ODD Data bits: 5bit, 6bit, 7bit, 8bit Stop bit: 1bit, 2bit Baud rate: 110~115200bps Load capacity: RS-485/422 side supports 32 point polling environment (customizable 128 points) Interface form: RS-485/422 and adopts 5-bit 5.08mm pitch terminal blocks Interface form: RS-232 and adopts DB9-M interface
Indicator	Power supply indicator, Ethernet port indicator, serial port indicator

Electrical Specifications

Power Supply	Wide DC power input 12~48VDC (12V/24V/48V typical) 7.62mm industrial terminal block No-load Consumption: < 1.2W (@24VDC) Full-load Consumption: < 1.68W (@24VDC)
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Mechanical Specifications

Length	32mm
Width	83mm
Depth	103mm
Weight	300g

Operation Environment Specifications

Operating Temperature	-40°C to 85°C
Storage Temperature Range	-40°C to 85°C
Humidity	5% ~ 95% (no condensing)

Certification

Industrial Standard	IEC61000-4-2(ESD): ±8KV Contact, ±15KV Air IEC61000-4-3(RS): 10V/M(80-1000MHZ) IEC61000-4-4(EFT): Power ±4KV, Data Cable ±4KV IEC61000-4-5(Surge): Power ±4KV CM/ ±1KV DM, Data Cable±4KV IEC61000-4-6(CS): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHZ) IEC61000-4-16(MS): 30V COUNT 300V, 1S IEC60068-2-6(Vibration) IEC60068-2-27(Shock)
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	IEC60068-2-32(Free Fall) IEC61000-6-2(General Industrial Standard)
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Approvals

Compliance/Certifications	CE / RoHs / FCC
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