

PRODIGY Serial Device Server



PD2-H02-FL-RS16/32/48

16/32/48 ports RS-232/422/485
Serial Device Server

INTRODUCTION

- The PD2-H02-FL-RS16/32/48 series Serial Device Server can be used to connect any serial device to an Ethernet network, and support various operating modes. In particular, the PD2-H02-FL-RS16/32/48 series Serial Device Server supports TCP Server, TCP Client, UDP and Virtual COM modes for security critical applications, such as Banking, Telecom, Access control, and Remote site management.
- The PD2-H02-FL-RS16/32/48 series Serial Device Servers is based on FPGA, allowing the configuration of non-standard Baud rate, e.g a 500 Kbps Baud rate may be required for some specific applications.

FEATURES

- Easy configuration for customized Baud rate.
- Data access modes including TCP Server, TCP Client, UDP, Virtual COM.
- Versatile socket operating modes including TCP Server, TCP Client, UDP, and Virtual COM driver.
- Support Subnet and Redundant Patterns.
- Support web-based configuration, Telnet and Console CLI.
- Support intelligent management of other equipments via two relay control interfaces with DC 24V/2A.
- The delicately designed LCD enable you to manage and check information expediently.
- Built-in 15 KV ESD protection for all Serial Signals.
- Redundancy dual AC/DC power, wide input voltage range.

SPECIFICATIONS

Ethernet Interface

- **Number of Ports:** 2.
- **Speed:** 10/100/1000 Mbps, auto MDI/MDIX.
- **Connector:** 8-pin RJ45.
- **Magnetic Isolation:** 1.5 KV built-in.
- **Ethernet Line Protection:** EN 61000-4-5 (Surge) Level 4.

Serial Interface

- **Serial Standards:** RS232/422/485.
- **Number of Ports:** 16/32/48.

Serial Communication Parameters

- **Data Bits:** 5, 6, 7, 8.
- **Stop Bits:** 1, 2.
- **Parity:** None, Odd, Even, Space, Mark.
- **Flow Control:** XON/XOFF, RTS/CTS, DTR/DSR.
- **Baud Rate:** 300 bps to 115.2 Kbps.

Serial Signals

- **RS232:** CTS/TXD/RXD/GND/RTS.
- **RS422:** T+/T-/R+/R-/GND.
- **RS485:** A+/B-/GND.

Software

- **Network Protocols:** ICMP, IP, TCP, UDP, HTTP, ARP, SNMP, NTP.
- **Configuration Options:** Web, Windows Search Utility.
- **Windows Virtual COM Drivers:** Windows XP/2003/Vista/2008/7/8 x86/x64.
- **Linux Virtual TTY Drivers:** Linux kernel 2.6.x.

Operation Modes

- **Standard:** Virtual COM, TCP Server, TCP Client, UDP.

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Physical Characteristics

- **Housing:** Metal.
- **Weight:** 2.6/3.34/3.4 Kg.
- **Dimensions:** 430 x 200 x 44.5mm/430 x 200 x 78mm/430 x 200 x 78mm.

Environmental Limits

- **Operating Temperature:** 0 to 50°C (32 to 122°F).
- **Storage Temperature:** -40 to 85°C (-40 to 185°F).
- **Ambient Relative Humidity:** 5 to 95% (non-condensing).
- **Altitude:** Up to 2000 m.
- **Note:** Please contact us if you require products guaranteed to function properly at higher altitudes.

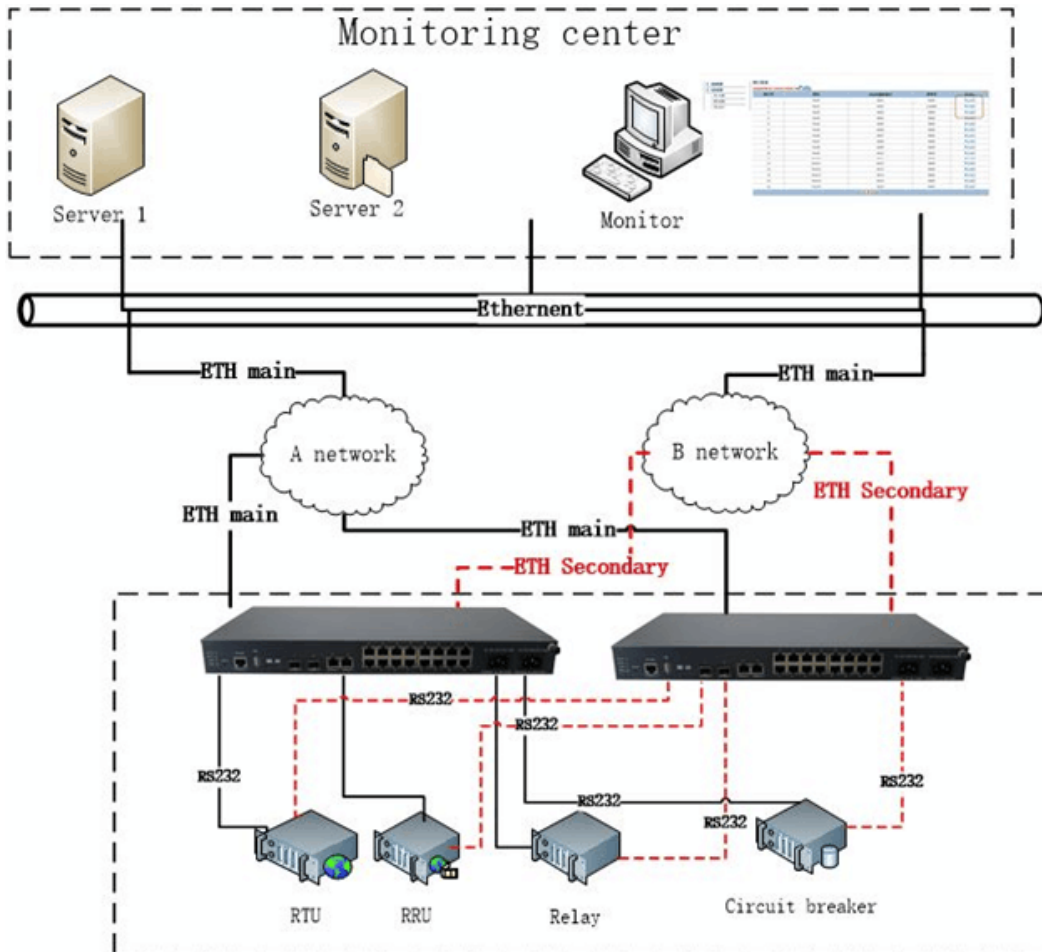
Power Requirements

- **Input Voltage:** 110V/220VAC or 48VDC.
- **Power Consumption:** <12Watts.

Standards and Certifications

- **Safety:** UL 60950-1, EN 60950-1.
- **EMC:** CE.
- **EMI:** EN 55022 Class A, FCC Part 15 Subpart B Class A.
- **EMS:** EN 55024, EN 61000-4-2 (ESD) Level 4, EN 61000-4-5 (Surge) Level 4, EN 61000-4-4 (EFT) Level 3.
- **Freefall:** IEC-68-2-6, IEC-68-2-34, IEC-68-2-32.
- **Vibration:** IEC-68-2-6, IEC-68-2-34.

TYPICAL APPLICATIONS



ORDERING INFORMATION

Modules	Description
PD2-H02-FL-RS16	16-port RS-232/422/485 Serial Device Server.
PD2-H02-FL-RS32	32-port RS-232/422/485 Serial Device Server.
PD2-H02-FL-RS48	48-port RS-232/422/485 Serial Device Server.