

JetPort 5604i

4-port RS-422/485 with Isolation Redundant Serial Device Server

- 4-ports RS422/485 with Isolation to Redundant Ethernet Solution
- Serial ports supports 2KV isolation protection
- RTTD, Redundant to the Device. Redundant Dual Ethernet Ports, Auto-Recovery in Less Than 200ms
- Redundant Power Inputs by 12-48VDC Terminal Block and DC Jack.
- 4 x 5V/TTL Digital Input and 2 x 5V/TTL Digital Output
- Secured Management by HTTPS and SSH
- JetPort Commander, Korenix Windows Utility for Device Discovery, Multiple Device Setup Wizard and Monitoring.
- Up to 5 Simultaneous Virtual COM, TCP Server/Client/Tunnel and UDP Connections
- Event Notification by Syslog, Email, SNMP trap, and Digital Output
- Embedded beeper for positioning
- Virtual COM Driver for Windows 2000/XP/2003
- Wall-Mount/DIN Rail/Desktop Installation



Overview

JetPort 5604 series is a 4-ports Serial to Redundant Ethernet device server. JetPort 5604i provides 4 ports RS422/485 serial interfaces with 2KV isolation protection. You can use one IP address, dual redundant paths to control max. 4 serial devices over the Ethernet. You can configure the devices as Virtual COM, TCP Server, TCP Client or UDP modes. The 5604 series supports RTTD technology so that the dual Ethernet ports can auto-

recovery within 200ms. 5604 series also equipped with abundant value-added hardware features include the 2 types of power inputs, 4 Digital Input and 2 Digital Output. JetPort 5604i can be configured by JetPort Commander, the easy-to-use utility for Windows and the HTTPS and SSH for secured management. The Notification includes the Email alert, System log, SNMP traps and Digital Output for pre-defined events.

4 serial interfaces can be configured for different mode

JetPort 5604i has 4 ports RS232/422/485 serial ports, all of the ports can be configuration with different serial interface types, like RS232, RS422, 2-wire RS485 or 4-wire RS485. Each of the port also can be configured with different service modes, you can configure serial port 1 to Virtual

COM mode, serial port 2 to TCP server, serial port 3 to TCP client and serial port 4 to UDP mode. All of the serial ports have their own settings and can work well at the same time.

Specification

Network Interface

Ethernet: 2* 10/100BaseTX, Redundant Dual Ethernet

Connector: RJ-45

Feature: Auto Recovery in less than 200ms, Auto MDI/MDI-X

Protection: Built-in 1.5 KV magnetic isolation protection

Protocols:

IP, TCP, UDP, ICMP, DHCP, BootP, ARP/RARP, SNMP, HTTPS, SSH, SNMP, SMTP

Serial Communication

Number of Ports: 4

Interface: RS422, 2/4-wire RS485

Connectors: 5-pin Terminal Block

Serial Port Isolation: 2KV

Baud Rates: 110 bps to 460.8 Kbps

Data Bits: 5, 6, 7, 8

Parity: odd, even, none

Stop Bits: 1, 1.5, 2

RS-422: Tx+,Tx-, Rx+, Rx-,GND

RS-485 (4-wire): Tx+,Tx-, Rx+, Rx-,GND

RS-485 (2-wire): Data+, Data-,GND

Flow Control: XON/XOFF, RTS/CTS, DTR/DSR

Serial Line Protection: 15KV ESD

Long Distance Termination: 2*pin 120ohm DIP switches

Digital Input/Output

Number of DI: 4

Power Input voltage:

5V/TTL

Logic 0: 0.8V max (0-0.8V)

Logic 1: 2.0V min (2-5V)

Number of DO: 2

Power Output voltage

5V/TTL

Logic 0: 0.8V max (0-0.8V)

Logic 1: 2.0V min (2-5V)

Features

LED:

Power 1/Power 2: Startup(Red); Ready(Green)

Ethernet port:

Left:100M Link (Green On) / Activity(Green Blinking)

Right:10M Link (Orange On) /Activity(Orange Blinking)

Serial 1/2/3/4:TX only(Green), RX only(Red), Both RX/TX(Orange)

Configuration: Windows Utility-JetPort Commander, HTTP, Telnet

Serial Service:

Virtual COM, TCP Server, TCP Client, TCP Tunnel and UDP

Reset: Software reload default, Hardware reset button

Beeper: Embedded beeper for positioning

RTTD: Redundant to the Device, Auto-recover in less than 200ms

SNTP: For time management

Access IP Table: 16 IP addresses to prevent illegal users

Monitor: Devices' status, VCOM status

SNMP: RFC1213 MIB II, RFC1317 RS232_like and SNMP Trap

E-Mail Alert: Automatic e-mail warning by pre-defined events

System Log: Trap to Syslog server or local display

System Events: Cold/Warm Start, Login Failed, IP and Password Changed, Access IP Blocked, DI/DO changed, Serial Port DCD/RI/DSR/CTS changed, Serial Port connected/disconnected.

TTY Driver: Fixed TTY driver for Linux

Windows Utility

JetPort Commander: Device Discovery, Auto IP, Network Setting, Device and Serial Port Setting and monitoring, Notification setting, Firmware Upgrade, Configuration Backup and Restore, Group Configuration Wizards.

Serial Service Mode: Virtual COM, TCP Server, TCP Client, TCP Tunnel and UDP

Advanced Serial Setting: TCP Alive Check Timeout, Inactivity Idle Timeout, Performance mode, Delimiter, Force TX Timeout for Data Packing and Force TX interval time

Group Configuration Wizard:

JetPort Commander: Group IP Wizard, Group firmware upgrade, Group Backup/Restore, VCOM and TCP Tunnel Setup Wizard

Power Requirements

System Power:

PWR1: 12~48VDC Terminal Block

PWR2: 12~48VDC Power Jack with Power Adapter

Power Line protection:

1 KV Burst (EFT), EN61000-4-4

0.5 KV Surge, EN61000-4-5

Mechanical

Dimensions: 145mm(W)x46.5mm(H)x120mm(D)

Regulatory Approvals: FCC Class A, CE Class A, UL, RoHS

Environmental

Operating Temperature: 10°C ~ 70°C

Operating Humidity: 5% ~ 95%, non-condensing

Storage Temperature: -20°C ~ 85°C

Ordering Information

JetPort 5604i Industrial 4-port RS-422/485 with Isolation Redundant Serial Device Server

Includes:

- JetPort 5604i
- Quick Installation Guide
- 100V - 240V power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM