

JetPort 5604i

Industrial 4-port Isolation Redundant Serial Device Server



CE FC  RoHS

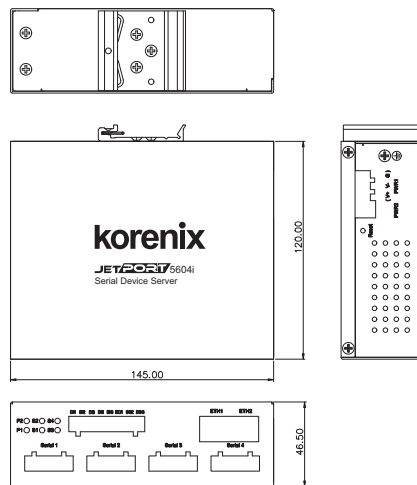
- 4-ports RS-422/485 with isolation to redundant Ethernet
- Supports 2KV isolation protection
- RTTD, Redundant to the Device function Dual Ethernet ports, network auto-recovery in Less Than 200ms
- Four Digital Inputs and Two Digital Outputs
- Redundant Power Inputs by 12-48VDC Terminal Block and DC Jack
- Independent serial services, Virtual COM, TCP Server/Client/ Tunnel and UDP Connections
- JetPort Commander, Easy-to-use Windows Utility with smart setup Wizards.
- Secured Management by HTTPS and SSH
- Event Notification by Syslog, Email, SNMP trap and Digital Output
- Vertical mounting by DIN Rail, Wall mount/Desk-top

Overview

The JetPort 5604i series is a 4-port Isolation Redundant Serial Device Server. Users can use one IP address, Redundant Ethernet paths (RTTD Technology) to control 4 serial devices as mas. over the Ethernet. To configure JetPort Commander, users can operate through the Windows utility or choose HTTPS/SSH for secured management.

The JetPort 5604i series is also equipped with two types of power inputs, four 5V TTL Digital Inputs and two Digital Outputs. The JetPort 5604i especially provides the 2KV isolation protection for the critical industrial environments. These are value-added features for users to construct the field installations.

Dimensions (Unit –mm)



Specification

Network Interface

Ethernet: 2* 10/100BaseTX, Redundant Dual Ethernet
Connector: RJ-45, Auto MDI/MDI-X
Feature: Auto Recovery in less than 200ms
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: RS-422, 2/4-wire RS485
Connectors: 5-pin Terminal Block
Baud Rates: 110 bps to 460.8K bps
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

Isolation

Serial Line Isolation: 2KV
Protection Types: Port to Port, Port to Power/GND/Case

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, HTTPS, SSH
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.

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
Power Consumption: Maximum 4.7 Watts

Mechanical

Dimensions: 145mm(W)x46.5mm(H)x120mm(D)
Regulatory Approvals: FCC Class A, CE Class A, UL, RoHS

Environmental

Operating Temperature: -10 ~ 70°C
Operating Humidity: 5% ~ 95%, (non-condensing)
Storage Temperature: -40 ~ 85°C
Warranty: 5 years

- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server
- Media Converter
- Multiport Serial Card
- SFP Module
- Din Rail Power Supply

Ordering Information

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

Includes:

- 4-port RS-422/RS485 isolation Redundant Serial Device Server
- Quick Installation Guide
- 100-240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM