

JetPort 5601

1-port RS-232/422/485 Serial Device Server



- Redundant to the Device (RTTD) via Dual Ethernet Ports, auto-recovery in less than 200ms
- One port software selectable RS232/422/485 serial interface, Max. Serial Speed: 921.6 Kbps
- Secured Management by HTTPS and SSH
- Dual Power Inputs by 12~48VDC Terminal Block and 9~30VDC Jack
- JetPort Commander, Easy-to-use Windows Utility for Device Discovery, Multiple Device Management and Monitoring
- Versatile Serial Services: Real/Virtual COM, Serial Tunnel, TCP Server, TCPClient, UDP
- Up to 5 Simultaneous Serial Connections
- Event Warning by Syslog, Email, SNMP trap, and Beeper
- Supports Windows 7/Vista/XP/2000/2003/2008
- -10~70°C operating temperature for harsh industrial environments

- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch
- Gigabit Managed Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (LINUX)
- Industrial Communication Computer (WIN/LINUX)
- Ethernet/PoE/Serial Board
- Ethernet I/O Server
- Media Converter
- Serial Device Server**
- SFP Module
- Din Rail Power Supply

Overview

The JetPort 5601 is a RS-232/422/485 to Redundant Ethernet Serial Device Server. The serial interface is configurable in software and supports speed as fast as 921.6kbps. The Dual Ethernet ports can support RTTD (Redundant to the Device) or connect as Daisy Chain. With RTTD, the redundant Ethernet ports can auto-recover in less than 200ms if the master link breaks, as a result guaranteeing a non-stop connection. The JetPort 5601 can be configured by the JetPort Commander, an easy-to-use utility for Windows, that covers all

management, monitoring, and control functions for one or multiple JetPort servers.

In addition to the Windows configuration, the JetPort can be configured by HTTPS and SSH, giving administrators the flexibility and security for device management. Furthermore, there are up to 5 multi-link as Real/Virtual COM or TCP/UDP connections. JetPort 5601 is equipped with two types of power inputs, the terminal block or power jack. The JetPort 5601 can be wall mounted or

RTTD, Redundant to The Device

The JetPort 5601 provides dual Ethernet ports. When dual Ethernet ports are connected, only one of the paths, the primary path is activated. The other one is the backup path. When the primary path is down, the backup path will recover Ethernet connection in less than 200ms.

The JetPort RTTD technology also works well with the JetNet series Ring technology, which provides users the complete redundant solution from network infrastructure to the serial devices.

RS-232 / 422 / 485 3-in-1 Serial Configuration

The JetPort 5601 serial port supports RS-232/422, 2/4 wire RS485 and is configurable by software. The serial speed can be set as fast as 460.8kbps. The serial port can work in various communication modes, including Real/Virtual COM, TCP server, TCP client, UDP, and serial tunnel.

Advanced settings for controlling the data communications, such as TCP alive check, delimiter, and timeout, are also supported. For industrial redundant solutions, the JetPort supports up to 5 simultaneous connections for Real/Virtual COM, TCP server, TCP client modes, sending data to 5 hosts simultaneously.

Secured Management by HTTPS and SSH

The HTTPS is a security protocol that provides communication privacy over the Internet. The SSH allows users to securely login to the remote JetPort

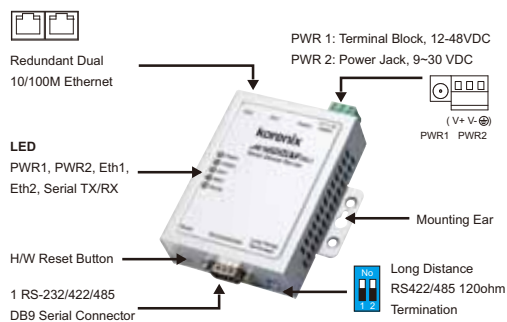
device servers and provides encrypted and authenticated communications between the JetPort and administrator computers.

JetPort Commander, Easy to Use Windows Utility

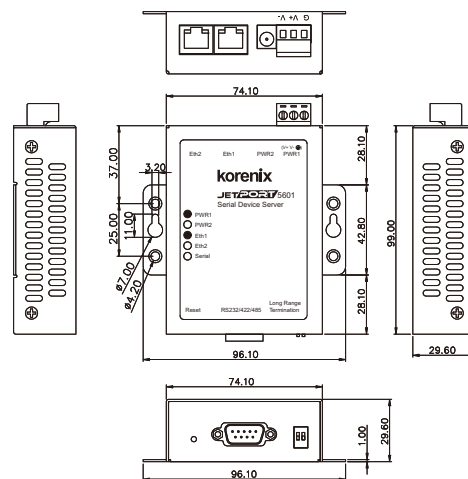
The Korenix JetPort Commander is known for its abundant features, the user-friendly interface and the smart setup wizards. Customer can browse the JetPorts, configured services, monitor devices and

group setup. The group setup wizard includes Real/Virtual COM Wizard, Group Setup Wizard, Group Firmware Wizard, Serial Tunnel Wizard and Group IP Wizard.

JetPort 5601 Appearance



Dimensions (Unit –mm)



Specification

Network Interface

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

Connector: RJ-45 Auto MDI/MDI-X

Feature: Redundant Dual Ethernet, auto-recovery in less than 200ms

Protection: Built-in 1.5 KV magnetic isolation protection

Protocols: IP, TCP, UDP, ICMP, DHCP, BootP, ARP/RARP, Telnet, SNMP, HTTP, SNTp, SMTP

Serial Communication

Number of Ports: 1

Interface: RS-232/422, 2/4-wire RS485

Connectors: Male DB9

Baud Rates: 110 bps to 921.6 Kbps

Data Bits: 5, 6, 7, 8

Parity: odd, even, none, Space, Mark

Stop Bits: 1, 1.5, 2

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, GND, DCD

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

Features

LED:

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

Ethernet 1/Ethernet 2 : 10M Link(Orange), 100M Link(Green)

Serial: Transmitting data(Green), Receiving data(Orange)

Configuration: Windows Utility-JetPort Commander, HTTP, Telnet

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

Reset: Software reload default, Hardware reset button

SNTp: For time management

Access IP Table: 16 IP addresses to prevent illegal users

Monitor: Devices' status, VCOM statuReal/Virtual COM 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, Serial Port DCD/RI/DSR/CTS changed, Serial Port connected/disconnected.

Real COM Driver: 32bit & 64bit OS

Windows Utility

Windows OS: Win 7/Vista/XP/2000/2003/2008

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:

Real/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, Real/Virtual COM and TCP Tunnel Setup Wizard

Power Requirements

System Power:

PWR1: 12~48VDC Terminal Block

PWR2: 9~30VDC 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 3.7 Watts

Mechanical

Dimensions: 96.1mm(W)x99mm(D)x29.6mm(H)

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
Intelligent
NMS

Rackmount
PoE Plus
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PoE Plus
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12-24V
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Industrial
PoE Switch

Rackmount
L3/L2 Switch

Gigabit
Managed
Switch

Managed
Ethernet
Switch

Entry-level
Switch

Wireless
Outdoor AP

Embedded
PoE/Router
Computer
(LINUX)

Industrial
Communication
Computer
(WIN/LINUX)

Ethernet/PoE/
Serial Board

Ethernet
I/O Server

Media
Converter

Serial Device
Server

SFP Module

Din Rail
Power Supply

Ordering Information

JetPort 5601 1-port RS-232/RS422/RS485 Redundant Serial Device Server

Includes:

- 1-port RS-232/RS422/RS485 Redundant Serial Device Server
- Quick Installation Guide
- 100V - 240V power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM