JET/PORT

JetPort 5601
1-port RS-232/422/485 Redundant Serial Device Server

- RTTD, Redundant to the Device. Dual Ethernet ports, network auto-recovery in Less Than 200ms
- One port software selectable RS232/422/485 serial interface, Max. Serial Speed: 460.8kbps
- Secured Management by HTTPS and SSH
- Dual Power Inputs by 12~48VDC Terminal Block and and 9~30V DC Jack
- JetPort Commander, Easy-to-use Windows Utility for Device Discovery, Multiple Device Managing and Monitoring
- Versatile Serial Services: Virtual Com, Serial Tunnel,TCP Server, TCPClient, UDP
- Up to 5 Simultaneous Serial Connections
- Event Warning by Syslog, Email, SNMP trap, and Beeper
- Virtual COM Driver for Windows 2000/XP/2003/Vista

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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 460.8kbps. The Redundant Dual Ethernet ports can auto-recover in less than 200ms if the master link fails, to guarantee 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 many 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 Virtual COM or TCP/UDP connections. JetPort 5601 is equipped with two types of power input, terminal block or power jack. The JetPort 5601 can be wall mounted or din-rail mounted with the din-rail kit.

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 is 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 for RS232, RS422, and RS485. The serial port can work in various communication modes, including 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 to 5 simultaneous connections as maximun for virtual com, TCP server, TCP client modes, sending data to 5 hosts simultaneously.

Secured Management by HTTPS and SSH

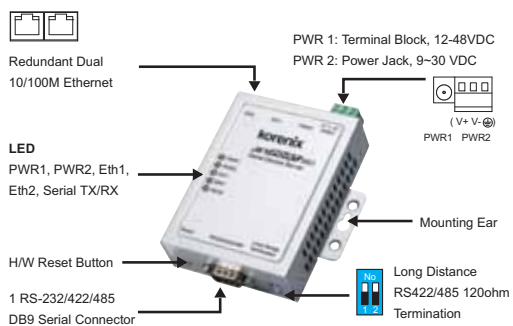The HTTPS is a security protocol that provides communication privacy over the Internet . The SSH allows users to securely login to the remote JetPort device servers and provides encrypted and authenticated communications between the JetPort and administrator computers.

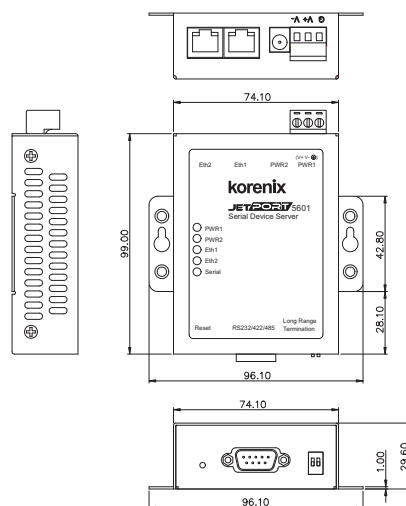## JetPort Commander, Easy to Use Windows Utility

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 Virtual COM Wizard, Group Setup Wizard, Group Firmware Wizard, Serial Tunnel Wizard and Group IP Wizard.

JetPort 5601 Appearance

Redundant Dual
10/100M Ethernet

PWR 1: Terminal Block, 12-48VDC
PWR 2: Power Jack, 9~30 VDC

(V+ V-⊕)
PWR1 PWR2

LED
PWR1, PWR2, Eth1,
Eth2, Serial TX/RX

Mounting Ear

H/W Reset Button

1 RS-232/422/485
DB9 Serial Connector

Long Distance
RS422/485 120ohm
Termination

Dimensions (Unit –mm)

74.10

99.00

42.80

28.10

96.10

74.10

1.00

29.60

96.10

JETPORT

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, 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 460.8K bps
Data Bits: 5, 6, 7, 8
Parity: odd, even, none
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: 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 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.

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: 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℃
Operating Humidity: 5% ~ 95%, (non-condensing)
Storage Temperature: -40 ~ 85℃
Warranty: 5 years

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