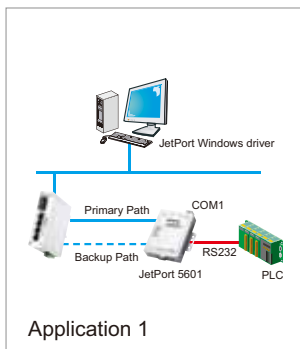


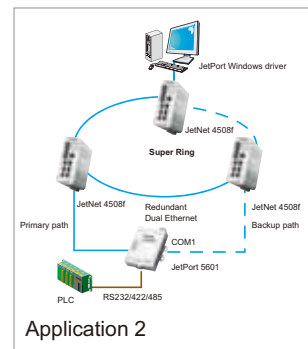
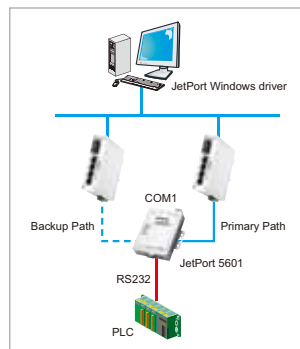
JetPort Series Industrial Secured Serial Device Server

The JetPort Serial Device Server Series is a smart RS-232 or RS-232/422/485 to Ethernet serial device server. It connects to the serial port devices such as card readers, measurement devices, or data acquisition terminals over Ethernet, as if it were locally attached. The JetPort meets all customers' requests, such as redundant Ethernet management security, I/O and multi-link functions. The JetPort Commander, the JetPort Series free windows utility, provides user-friendly interfaces with auto device discovery in a LAN or adding devices on the public network.

Redundant Ethernet



Application 1: Provides a device end redundant link solution by connecting two Ethernet ports to the same switch with two separate uplinks or two switches with different links.

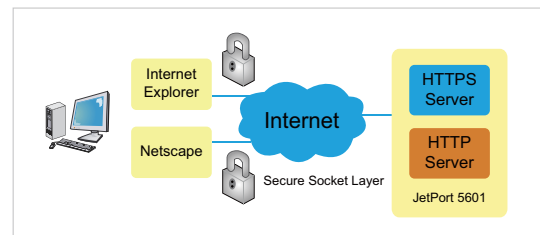


Application 2: The perfect network redundant solution for serial PLC devices by providing redundant uplinks which also connect to the Ethernet redundant network with the JetNet Super Ring technology.

Management Security



HTTPS (Hypertext Transfer Protocol over Secure Socket Layer or HTTP over SSL) is a Web protocol, built into the browser that encrypts and decrypts user's page requests returned by the Web server. It is a security protocol that provides communication privacy over the



Internet. By adapting HTTPS technology, encrypted data packets can be transmitted safely between the JetPort and the PC web browser, preventing unauthorized access.

- All product specifications are subject to change without further notice.
- Before applying to critical projects, please contact Korenix headquarter for up-to-date product specifications' consultancy.

- 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

JETPORT

The SSH technology enables users to login in to remote host computers with security. It uses a client/server architecture to provide secure communications between two non-trusted ends.

A SSH server can accept or reject incoming connection attempts from local client ends via a secured

authentication mechanism with data encryption. Users run SSH client programs (e.g. PuTTY) to issue requests to SSH servers. The JetPort supports the data cipher in DES-cbc (128-bit key) encryption and user authentication method by One Public Key + one Password.

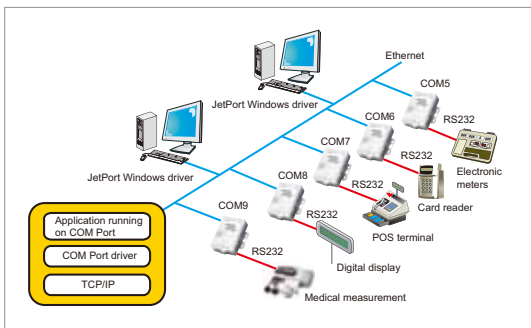
JetPort Commander

Up to 5 simultaneous connections

The JetPort series provides you with up to five simultaneous Virtual COM, TCP Server, TCP Client, TCP Tunnel and UDP connections. All the services are developed over the TCP/IP protocol stacks. You can easily connect to the serial devices over Ethernet and develop your serial to Ethernet applications.

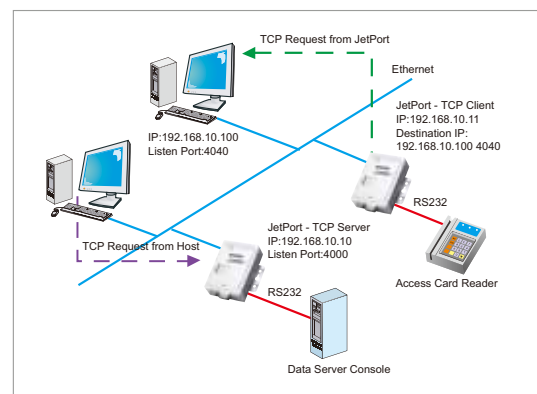
Windows Virtual COM

After installing JetPort Windows driver, the serial port on the JetPort can be accessed by the Windows as the virtual COM port. Users do not have to modify the existing program to upgrade the latency serial communications into serial over the IP application.



TCP / UDP Socket

You can also use TCP/UDP socket programs to control the JetPort's serial port. The JetPort can be configured as TCP Server listening to TCP connection requests. It also can be configured as TCP Client actively requesting the TCP connection to send data, as well as UDP mode for multiple destination transmissions.



Easy-to-Use Windows Utility and Smart Wizards

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

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

- Virtual COM Wizard: Three steps to configure all Virtual Com ports
- Group Setup Wizard: Copy specific configurations from one to other devices
- Group Firmware Wizard: Group update firmware to multiple devices
- Serial Tunnel Wizard: Couple devices to serial tunnels
- Group IP Wizard: Configure IP to multiple devices

Korenix Product Selection Guide - Industrial Serial Device Server



JetPort 5216

JetPort 5208

JetPort 5604

JetPort 5604i

Rackmount Serial Server Rackmount Serial Server Redundant Serial Server Isolated Redundant Serial Server

Interface				
Number of Ports:10/100Base-TX	1	1	2(Redundant)	2(Redundant)
Number of Serial Ports	16*RS232	8*RS232	4*RS232/422/485	4*RS422/485 with 2KV Isolation
AC Power Input	100~240 VAC	100~240 VAC		
Power Terminal			DC12~48V	DC12~48V
Power Jack			DC12~48V	DC12~48V
Fault Relay Output			4 Digital Inputs 2 Digital Outputs	4 Digital Inputs 2 Digital Outputs
1200VAC HIPOT			•	•
Mechanical				
Aluminum Case			•	•
Dimensions (unit=mm)	437.2(W) x 214(H) x 44(D), 1U Rackmount		145(W) x 46.5(H) x 120(D)	145(W) x 46.5(H) x 120(D)
Case Protection			IP 31	IP 31
Operating Temperature	0~50°C	0~50°C	-10~70°C	-10~70°C
DIN-Rail Kit			•	•
Protocols				
Web-based Configuration	•	•	•	•
Windows Utility	•	•	•	•
Secured HTTPS,SSH	•	•	•	•
RTTD, Redundant Dual Ethernet			•	•
SNMP V1/V2C	•	•	•	•
SMTP(e-mail warning)			•	•
Syslog	•	•	•	•
Certifications				
Regulatory Approvals:CE / FCC	•	•	•	•
RoHS / WEEE	•	•	•	•



Korenix Product Selection Guide - Industrial Serial Device Server



JetPort 5601



JetPort 5601f



JetPort 5201

	Redundant Serial Server	Fiber Serial Server	Serial Server
Interface			
Number of Ports:10/100Base-TX	2(Redundant)		1
Number of Ports: WLAN			
Number of Ports:100Base-FX		1	
(Multi Mode Fiber)		2KM (JetPort 5601f-m)	
(Single Mode Fiber)		30KM (JetPort 5601f-s)	
Number of Serial Ports	1* RS232/422/485	1* RS232/422/485	1* RS232
Power Terminal	DC12~48V	DC12~48V	
Power Jack	DC9~30V	DC9~30V	DC9~30V
Fault Relay Output			
1200VAC HIPOT	•	•	•
Mechanical			
Aluminum Case	•	•	•
Dimensions (unit=mm)	96.1(W) x 29.6(H) x 99(D)	96.1(W) x 29.6(H) x 99(D)	78.5(W)x29.2(H) x 79.6(D)
Case Protection	IP 30	IP 30	IP 30
Operating Temperature	-10~70°C	-10~70°C	0~60°C
DIN-Rail Kit	•	•	•
Protocols			
Web-based Configuration	•	•	•
Windows Utility	•	•	•
Secured HTTPS,SSH	•	•	
RTTD, Redundant Dual Ethernet	•		
SNMP V1/V2C	•	•	•
SMTP(e-mail warning)	•	•	•
Syslog	•	•	•
Certifications			
Regulatory Approvals:CE / FCC / UL	•	•	•
RoHS / WEEE	•	•	•

JetPort 5216

16 Port Rackmount Serial Server



- 16 ports RS232 over 10/100M Ethernet
- Real COM Driver for Windows 2000/XP/2003/Vista, Linux
- Versatile Serial Services: Real Com, TCP Server
- Multi-level secure user authentication and authorization by SSH / Telnet or Console
- Auto IP Discovery, and Virtual Port Mapping Utility
- User Access by Port
- Dial-in Modem and Direct Access by PPP/Hyper Terminal
- Choice of configuration methods: Web console, Console terminal
- SNMP MIB II, RS-232 MIB for network management, SNMP Trap
- Event Notification by Syslog, Email and SNMP trap
- Standard 19-inch rackmount 1U size

- 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

JetPort 5216 is an 16-port Rackmount Ethernet to Serial device server which is ideal for centralized management and multiple device management with system security protection. JetPort 5216 can be set up and managed via the easy-to-use utilities Real

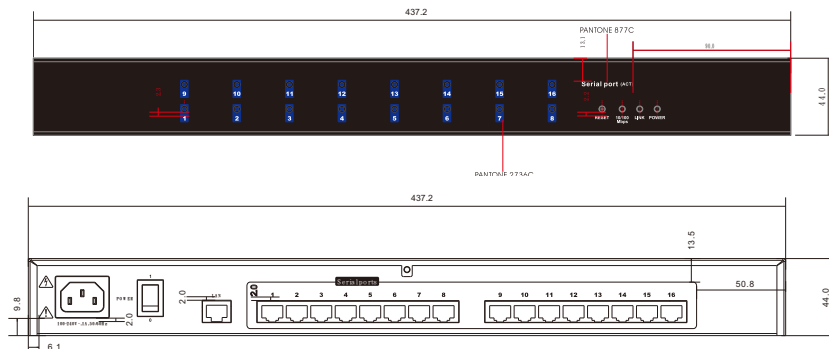
COM, TCP/IP, HTTPS, SSH, and Telnet SNMP. JetPort 5216 adopts the Remote Authentication Dial-In User Service (RADIUS), users can control up to 16 serial devices on one IP address over Ethernet.

Easy-to-use Interface with Versatile Functions: Real COM Management

The JetPort 5216 Port Utility is a user-friendly interface and is compatible with SSH, Telnet, and Putty and other client programs. Through JetPort 5216, users can remotely monitor, control, download, or upload data from RS-232 devices or other

servers via Real Com management. Users can also use the graphic interface from browser to log in systems to easily manage various commands such as cut, paste, copy the screen snapshot or use virtual terminal to record the status.

Dimensions (Unit = mm)



Specification

Technology

Standard: IEEE802.3 10Base-T
IEEE802.3u 100Base-TX
IEEE802.3x flow control

Serial Communication

Number of Ports: 16

Interface: RS-232

Connectors: RJ45

Data Rates: 115.2 bps

Data Bits: 5, 6, 7, 8

Parity: odd, even, none

Stop Bits: 1, 1.5, 2

RS-232: Tx/D, Rx/D, RTS, CTS, DTR, DSR, GND, DCD

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

Serial Line Protection: 15KV ESD

Network Communication

Connector: RJ-45

Feature: Auto MDI/MDI-X, 10/100M Auto-Negotiation

Other

LED

PWR: Startup(Blue); Ready(Green)

Ethernet Link: Green

100M/10M Link: 100M Link(Green)/10M Link(Orange)

Serial: Green

Software

Configuration: Windows Utility, HTTPS, SSH, Telnet, SNMP, DHCP Client, Device Password, Firmware Upgrade, Save to Flash

Group Configuration Wizard:

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

MIB: RFC1213 MIB II, RFC1317 RS232_like

SNMP Trap: Send Trap for pre-defined Traps

SNTP: For time management

Serial Service Mode: Real COM, TCP Server

Advanced Setting: Port-Specific access right, Direct port addressing- via SSH to any Serial Over IP port, Direct Access via serial applications or IP application, VT320 support

Monitor: Devices' status, session history

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

Power Requirements

System Power: 100-240 VAC

Power Consumption: 8Watts /120VAC, 230VAC

Mechanical

Installation: Rackmount

Dimension: 437.2 (W) x 214 (H) x 44 (D) mm (1U/19")

Net Weight: 3.30kg/3.40kg

Environmental

Operating Temperature: 0 ~ 50°C

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

Storage Temperature: -20 ~ 60°C

Storage Humidity: 5%~ 90%, (non-condensing)

Regulatory Approvals

EMI: FCC Class A, CE/EN55022.

EMC Immunity Interface:

EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Ordering Information

JetPort 5216 16 port Rackmount Serial Server

Includes:

- JetPort 5216
- Quick Installation Guide
- 100-240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM

Optional Accessories

- CM9RJ45, Serial cable (RJ45 to DB9 male, 150cm)

JetPort 5208

8 Port Rackmount Serial Server



CE FC RoHS

8-port RS232 SSM/Telnet Real COM

- 8 ports RS232 over 10/100M Ethernet
- Real COM Driver for Windows 2000/XP/2003/Vista, Linux
- Versatile Serial Services: Real Com, TCP Server
- Multi-level secure user authentication and authorization by SSH / Telnet or Console
- Auto IP Discovery, and Virtual Port Mapping Utility
- User Access by Port
- Dial-in Modem and Direct Access by PPP/Hyper Terminal
- Choice of configuration methods: Web console, Console terminal
- SNMP MIB II, RS-232 MIB for network management, SNMP Trap
- Event Notification by Syslog, Email and SNMP trap
- Standard 19-inch rackmount 1U size

- 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

JetPort 5208 is an 8-port Rackmount Ethernet to Serial device server which is ideal for centralized management and multiple device management with system security protection. JetPort 5208 can be set up and managed via the easy-to-use utilities Real

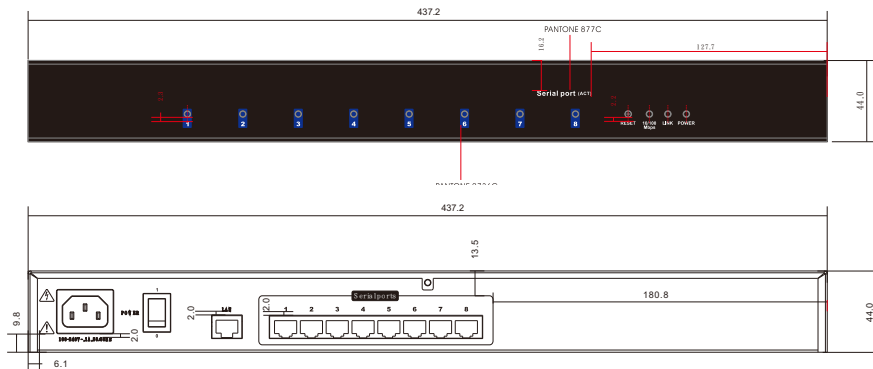
COM, TCP/IP, HTTPS, SSH, and Telnet SNMP. JetPort 5208 adopts the Remote Authentication Dial-In User Service (RADIUS), users can control up to 8 serial devices on one IP address over Ethernet.

Easy-to-use Interface with Versatile Functions: Real COM Management

The JetPort 5208 Port Utility is a user-friendly interface and is compatible with SSH, Telnet, and Putty and other client programs. Through JetPort 5208, users can remotely monitor, control, download, or upload data from RS-232 devices or other servers via Real Com

management. Users can also use the graphic interface from browser to log in systems to easily manage various commands such as cut, paste, copy the screen snapshot or use virtual terminal to record the status.

Dimensions (Unit = mm)



Specification

Technology

Standard: IEEE802.3 10Base-T
IEEE802.3u 100Base-TX
IEEE802.3x flow control

Serial Communication

Number of Ports: 8
Interface: RS-232
Connectors: RJ45
Data Rates: 115.2 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
Flow Control: XON/XOFF, RTS/CTS, DTR/DSR
Serial Line Protection: 15KV ESD

Network Communication

Connector: RJ-45
Feature: Auto MDI/MDI-X, 10/100M Auto-Negotiation

Other

LED
PWR: Startup(Blue); Ready(Green)
Ethernet Link: Green
100M/10M Link: 100M Link(Green)/10M Link(Orange)
Serial: Green

Software

Configuration: Windows Utility, HTTPS, SSH, Telnet, SNMP, DHCP Client, Device Password, Firmware Upgrade, Save to Flash
Group Configuration Wizard:
Group IP Wizard, Group firmware upgrade, Group Backup/Restore, VCOM and TCP Tunnel Setup Wizard
MIB: RFC1213 MIB II, RFC1317 RS232_like
SNMP Trap: Send Trap for pre-defined Traps

SNTP: For time management

Serial Service Mode: Real COM, TCP Server

Advanced Setting: Port-Specific access right, Direct port addressing- via SSH to any Serial Over IP port, Direct Access via serial applications or IP application, VT320 support

Monitor: Devices' status, session history

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

Power Requirements

System Power: 100-240 VAC

Power Consumption: 8Watts /120VAC, 230VAC

Mechanical

Installation: Rackmount

Dimension: 437.2 (W) x 214 (H) x 44 (D) mm (1U/19")

Net Weight: 3.30kg/3.40kg

Environmental

Operating Temperature: 0 ~ 50°C

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

Storage Temperature: -20 ~ 60°C

Storage Humidity: 5%~ 90%, (non-condensing)

Regulatory Approvals

EMI: FCC Class A, CE/EN55022.

EMC Immunity Interface:

EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Free Fall: IEC60068-2-32

Ordering Information

JetPort 5208 8 port Rackmount Serial Server

Includes:

- JetPort 5208
- Quick Installation Guide
- 100-240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM

Optional Accessories

- CM9RJ45, Serial cable (RJ45 to DB9 male, 150cm)

JetPort 5604

Industrial 4-port RS-232/422/485 Redundant Serial Device Server



- 4-ports RS-232/422/485 to redundant Ethernet
- 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/Desktop-top

- 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

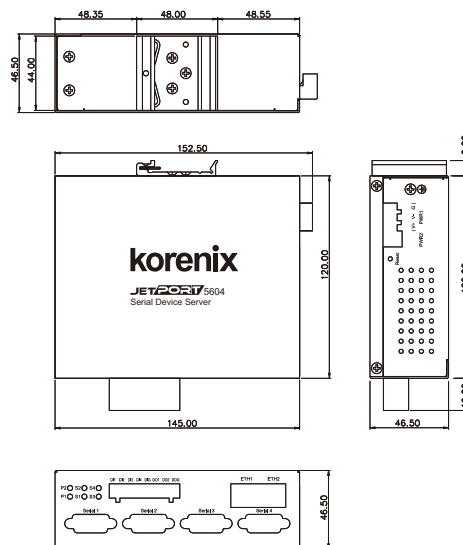
Overview

The JetPort 5604 series is a 4-port Redundant Serial Device Server. The JetPort 5604 provides four 3-in-1 RS232/422/485 serial interfaces. Users can use one IP address and Redundant Ethernet paths (RTTD Technology) to control 4 serial devices as max. over the Ethernet. To configure the JetPort Commander,

users can operate through the Windows utility or choose HTTPS/SSH for secured management.

The JetPort 5604 series is also equipped with two types of power inputs, four 5V TTL Digital Inputs and two Digital Outputs. 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-232/RS422, 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, 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

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 4.3 Watts

Mechanical

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

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

Environmental

Operating Temperature: -10 ~ 70°C

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

Storage Temperature: -40 ~ 85°C

Warranty: 5 years

Ordering Information

JetPort 5604 Industrial 4-port RS-232/422/485 Redundant Serial Device Server

Includes:

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

JetPort 5604i

Industrial 4-port RS-422/485 Isolated Redundant Serial Device Server



CE FC RoHS

- 4-port RS232 /422/485
- 4DI+2DO
- JetPort Commander
- 2 KV Isolation
- SSM& MTTPS

- 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

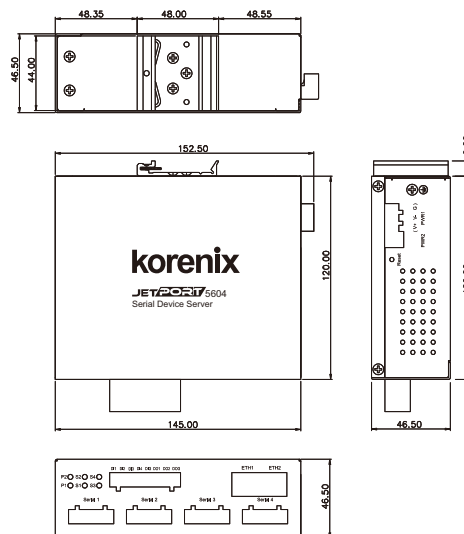
- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch
- Gigabit Managed Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (LINUX)
- 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 5604i series is a 4-port Isolated 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, Space, Mark

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, RoHS

Environmental

Operating Temperature: -10 ~ 70°C

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

Storage Temperature: -40 ~ 85°C

Warranty: 5 years

Ordering Information

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

Includes:

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

JetPort 5601

1-port RS-232/422/485 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 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

- 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

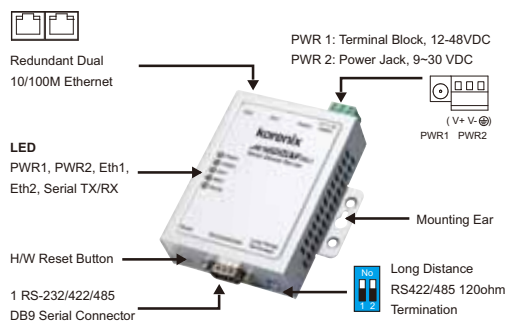
Overview

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 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 multiple

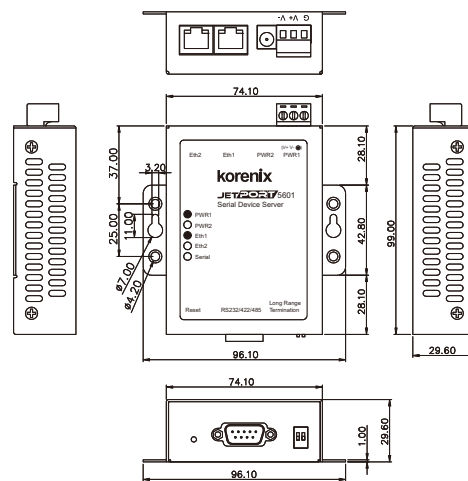
JetPort servers.

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 Virtual COM or TCP/UDP connections. JetPort 5601 is equipped with two types of power inputs, terminal block or power jack. The JetPort 5601 can be wall mounted or din-rail mounted with the din-rail kit.

JetPort 5601 Appearance



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, 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, 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: 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°C

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

Storage Temperature: -40 ~ 85°C

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

JetPort 5601f

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



- One-port RS-232/422/485 to Fiber Ethernet Solution
- One Multi-mode or Single-mode Fiber Port, maximum 2KM or 30KM distance
- Max. Serial Speed: 460.8kbps
- Secured Management by HTTPS and SSH
- Dual Power Input by 12~48VDC Terminal Block and 9~30VDC Power Jack
- JetPort Commander, Korenix Windows Utility for Device Discovery, Multiple Device Setting and Monitoring.
- Versatile Serial Modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Up to 5 Simultaneous Serial Connections
- Event Warning by Syslog, Email, SNMP trap
- Embedded beeper for positioning
- Virtual COM Driver for Windows 2000/XP/2003/Vista

- 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

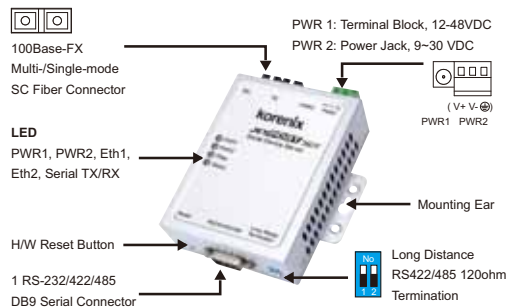
Overview

The JetPort 5601f is a RS-232/422/485 to Fiber Ethernet serial server. The serial interface is configurable in software and supports speed as fast as 460.8kbps. The fiber port supports one multi-mode fiber SC port with max. 2KM communication distance, or single-mode fiber SC port with max. 30KM distance. The JetPort 5601f 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

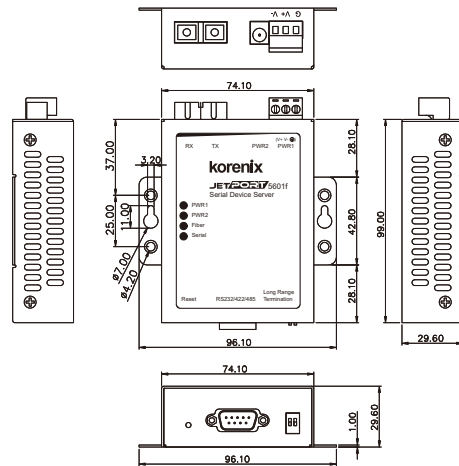
servers.

In addition to 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 Virtual COM or TCP/UDP connections. JetPort 5601f is equipped with two types of power inputs, terminal block or power jack. The JetPort 5601 can be wall mounted or din-rail mounted by the din-rail kit.

JetPort 5601f Appearance



Dimensions (Unit –mm)





Specification

Network Interface

Ethernet: 100BaseFX

Connector: 100BaseFX: Duplex SC

Cables: Multi-mode fiber: 50/125um or 62.5/125um, max. distance 2KM

Single-mode fiber: 8/125um, 9/125um or 10/125 um, max. distance 30KM

Fiber Transceiver:

JetPort 5601f-m, Multi-mode: 2KM max. distance

Wave-length: 1310nm

Min Tx Power:-19dBm

Max Tx Power:-14dBm

Min Rx Sensitivity:-30dBm

Link budget:11dBm

JetPort 5601f-s, Single-mode: 30KM max. distance

Wave-length:1310nm

Max Tx Power:-8dBm

Min Tx Power:-15dBm

Min Rx Sensitivity:-34dBm

Link budget:19dBm

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

Serial Communication

Number of Ports: 1

Interface: RS-232, RS422, 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, 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, HTTPS, SSH

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°C

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

Storage Temperature: -40 ~ 85°C

Warranty: 5 years

Ordering Information

JetPort 5601f -m 1-port RS-232/RS422/RS485 Fiber

Serial Device Server,multi-mode/2KM

Includes:

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

JetPort 5601f -s 1-port RS-232/RS422/RS485 Fiber

Serial Device Server, single-mode/30KM

Includes:

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



Specification

Network Interface

Ethernet: IEEE802.3 10Base-T

IEEE802.3u 100Base-TX, IEEE802.3x flow control

Connector: RJ-45

Feature: Auto MDI/MDI-X, 10/100M Auto-Negotiation

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

Connectors: Male DB9

Baud Rates: 110 bps to 460.8K bps

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

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

Serial Line Protection: 15KV ESD

Features

LED:

Power: Startup(Red); Ready(Green)

Ethernet : 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/R/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:

DC Jack: 9-30VDC

Power Line protection:

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

0.5 KV Surge, EN61000-4-5

Power Consumption: Maximum 2.6 Watts

Mechanical

Dimensions: 78.5mm(W)x79.6mm(D)x29.2mm(H)

Regulatory Approvals:

FCC Class A, CE Class A, UL, RoHS

Environmental

Operating Temperature: 0 ~ 60°C

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

Storage Temperature: -40 ~ 85°C

Warranty: 5 years

Ordering Information

JetPort 5201 1-port RS-232 Serial Device Server

Includes:

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