

# 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

### Overview

Jetport 5601f is a RS-232/422/485 to Fiber Ethernet serial server. The serial interface is configurable in software and supports speed as high 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. JetPort 5601f can be configured by 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 Windows configuration, JetPort can be configured by HTTPS and SSH, giving administrators the flexibility and security for device management. Up to 5 multi-link Virtual COM or TCP/UDP connections. JetPort 5601f equips with two types of power input, terminal block or power jack. JetPort 5601 can be wall mounted or din-rail mounted by the din-rail kit.

### Fiber Optic for Hazardous Applications and Long Distance

The fiber Ethernet allows higher communication bandwidth and provides total immunity against EMI/RFI interferences and increased security. In addition, the Fiber serial server can be used without risk in hazardous applications with no EMC emission,

no ground loops, and immunity against lightning and high voltage environments. For long distance applications, the single-mode fiber supports 30KM transmission distance and multi-mode 2KM.

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

JetPort 5601 serial port supports RS232, RS422, 2/4 wire RS485 and is configurable by software. The serial speed can be set as high 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, JetPort supports to maximum 5 simultaneous connections for virtual com, TCP server, TCP client modes, and 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

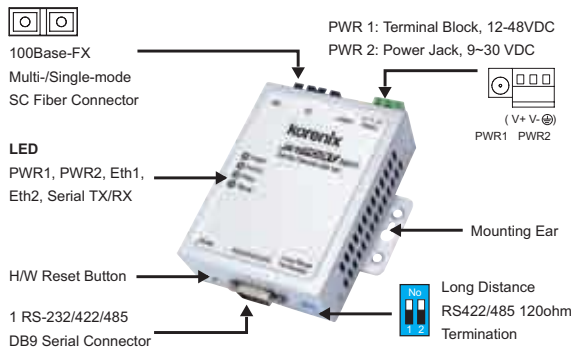
device servers and provides encrypted and authenticated communications between JetPort and administrator computers.

## JetPort Commander, Easy to Use Windows Utility

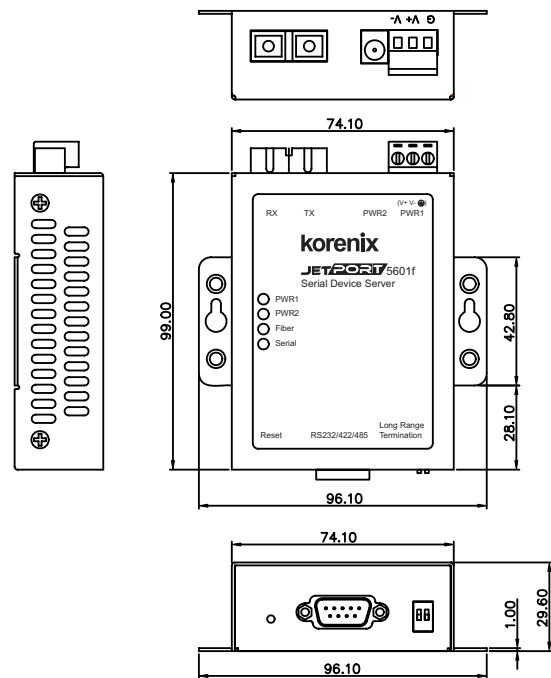
Korenix JetPort Commander is known for its abundant features, user-friendly interface and smart setup wizards. Customer can browse the JetPorts, configure services, monitor devices and group

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

## JetPort 5601f Appearance



## Dimensions



## 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

**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.

**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: 9~30VDC Power Jack with Power Adapter

**Power Line protection:** 1 KV Burst (EFT), EN61000-4-4 0.5 KV Surge, EN61000-4-5

### 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