

## JetPort 5804

### Industrial 4-port RS-232/422/485 Wireless Serial Device Server with Fiberglass Antenna



CE FC  RoHS



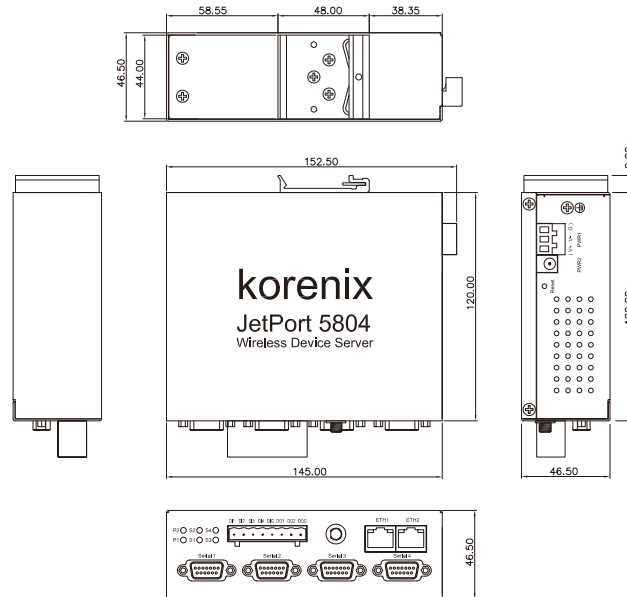
- Four-port RS-232/422/485 to 802.11b/g (up to 54Mbps) Wireless network
- Encrypted data transmission with 128-bit WEP and WPA
- External antenna expands the range of WLAN
- Fiberglass antenna for water, dust and UV resistance
- RTTD, Redundant to the Device function Dual Ethernet ports, network auto-recovery 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, Real/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 5804 series is a 4-port Redundant Serial to Wireless Device Server. The JetPort 5804 provides four 3-in-1 RS-232/422/485 serial interfaces. Users can use one IP address and Redundant Ethernet paths (RTTD Technology) to control 4 serial devices as max. over the Ethernet. The Wireless LAN interface is 802.11b/g with up to 54Mbps speed, which can give you an easy way and high bandwidth connection to the hard-to-wire serial devices and thus solve your network cabling problem in the field.

The 128-bit WEP protect your serial data transmission and WPA over the Wireless LAN and avoid the unauthorized access or hack. To configure the JetPort Commander, users can operate through the Windows utility or choose HTTPS/SSH for secured management. The JetPort 5804 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)



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
<b>Serial Device Server</b>
SFP Module
Din Rail Power Supply

## Specification

### Network Interface

**WLAN Standard:** 802.11b/g WLAN

**Spread Spectrum Technology:**

DSSS(802.11b), OFDM(802.11g)

**Tx Power:** 13-17dBm at maximum radiation direction

**Rx Sensitivity:** -71 dBm @ 54 Mbps, -84 dBm @ 11Mbps

**Transmission Rate:** 54 Mbps (max.) with auto fallback (54,48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps)

**Transmission Distance:** Up to 100 meters (open area)

**Antenna:** Supports the antenna diversity function

**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, RS-422, RS-485 2/4-wire

**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:** Tx+, Rx+, 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)

WLAN: P1 Good Link Quality(Orange)

**Configuration:**

Windows Utility-JetPort Commander, HTTPS, SSH

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

**WLAN Discover:** 5 AP list

**WLAN Strength:** 5 Levels

**WLAN Security:** WEP 64-bit/128-bit data encryption,

WPA Personal mode (AES/TKIP)

**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, RCOM/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:** 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, RCOM/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 ~ 55°C

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

**Storage Temperature:** -40 ~ 85°C

**Warranty:** 5 years

## Ordering Information

### JetPort 5804 Industrial 4-port RS-232/422/485 Redundant Wireless Serial Device Server with Fiberglass antenna

Includes:

- JetPort 5804 and Antenna
- Quick Installation Guide
- 100-240VAC power adapte
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM