

# JetPort 5801

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



CE FC  RoHS

- One-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
- Dual Power Inputs by 12~48VDC Terminal Block and Power Jack
- JetPort Commander, Windows Utility for Device Discovery,
- Multiple Device Setting and Monitoring
- Versatile Serial Application: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Embedded beeper for positioning
- Virtual COM Driver for Windows 2000/XP/2003/Vista

### Overview

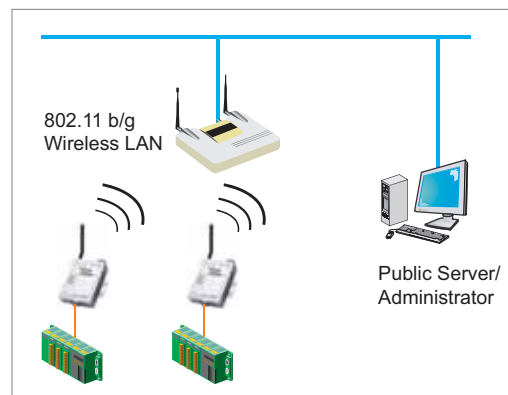
The JetPort 5801 is an one port RS-232/422/485 to Wireless Serial Device Server. The Wireless LAN interface is 802.11b/g with up to 54Mbps speed, which can give you an easy way and high bandwidth connection to the hard-to-wire serial devices; and solve your network cabling problem in the field. The 128 bit WEP protect your serial data transmission and WPA over the Wireless LAN and avoid the unauthorized

access or hack.

The JetPort 5801 can be configured by the JetPort Commander, therefore users can manage the wired and wireless JetPort without installing additional software. The JetPort 5801 is equipped with two types of power input, terminal block or power jack. The JetPort 5801 can be wall mounted or din-rail mounted by the din-rail kit.

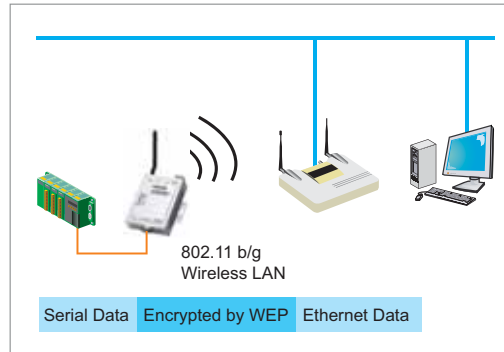
### Ease Cabling by 802.11b/g Wireless LAN

In industrial networking, administrators often encounter wiring problem with serial devices. The JetPort 5801 wireless device server is designed to connect the hard-to-wire serial devices. For instance, a moving device in the bus, does not always stay at a fixed location; thus, wiring the bus to headquarter is simply impossible. The Korenix JetPort 5801 is a manageable and secured wireless serial server for applications where wired networking is ineligible. The JetPort 5801 chooses the 802.11b/g solution for the Wireless LAN connection. The speed of the WLAN is up to 54Mbps, and the external antenna can be expanded the range of Wireless LAN.



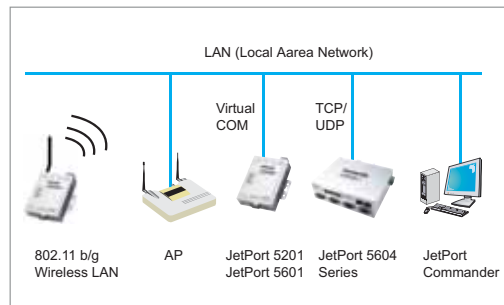
## Encrypted Data Transmission with 128-bit WEP

Wired LAN is protected by the physical media for their infrastructure, the unauthorized access can be easily identified. Wireless LAN, which is over radio waves, does not have the same physical media protection and is difficult to avoid the illegal access. Wired Equivalent Privacy(WEP) is designed to provide the same level of security as that of a wired LAN. WEP aims to provide security by encrypting data over radio waves so that the serial data is protected from JetPort 5801 to the Access Point (AP) or another end station.

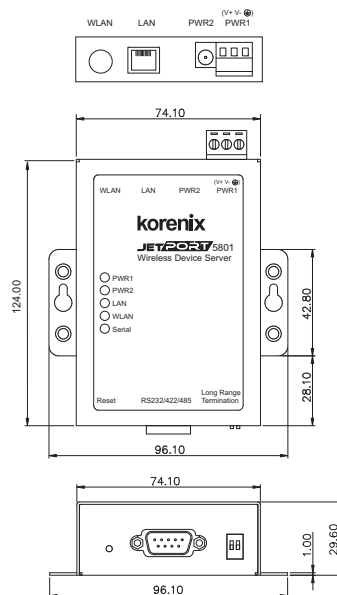


## JetPort Commander Compatibility

For most wireless products, users need to install additional tools to configure the settings, monitor the status, mapping the VCOM, TCP/UDP modes. With the JetPort Commander, you don't need the additional tool, you can broadcast search the JetPort 5801, browsing available AP, configuring SSID, monitoring link quality and status...etc. You can also easily manage all Korenix's wired and wireless JetPort serial device servers at the same time.



## Dimensions (Unit –mm)



- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server**
- Media Converter
- Multiport Serial Card
- 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:** 1\* 10/100BaseTX, Auto MDI/MDI-X

**Connector:** RJ-45

**Protection:** Built-in 1.5 KV magnetic isolation protection

### Serial Communication

**Number of Ports:** 1

**Interface:** RS-232, RS422, 2/4-wire RS485

**Connectors:** male DB9

**Baud Rates:** 110 bps to 230.4K 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

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

**LED:**

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

LAN : 10M Link(Orange), 100M Link(Green)

WLAN: Good Link Quality(Green), Poor Link Quality (Orange)

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

**Configuration:** JetPort Commander, HTTPS, SSH

**Serial Service:** 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

**SNTP:** For time management

**Access IP Table:** 16 IP addresses to prevent illegal users

**Monitor:** Devices' status, VCOM status

**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

**SNMP:**

RFC1213 MIB II, RFC1317 RS232\_like and SNMP Trap

### Windows Utility

**JetPort Commander:** Device Discovery, Auto IP, Network

Setting(Wire and Wireless), 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 4.8 Watts

### Mechanical

**Dimensions:** 96.1mm(W)x124mm(D)x29.6mm(H)

**Regulatory Approvals:**

FCC Class A, CE Class A, UL, RoHS

### Environmental

**Operating Temperature:** -10 ~ 55°C

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

**Storage Temperature:** -20 ~ 70°C

**Warranty:** 3 years

## Ordering Information

### JetPort 5801 1-port RS-232/422/485 Wireless Serial Device Server

Includes:

- 1-port RS-232/422/485 Wireless Serial Device Server with Antenna
- Quick Installation Guide
- 100~240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM