# JetPort 5801

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

- One-port RS-232/422/485 to 802.11b/g (up to 54Mbps) Wireless network
- Encrypted data transmission with 128-bit WEP and WPA
- Fiberglass antenna for water, dust and UV resistance
- 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: Real COM, Virtual COM, Serial Tunnel, TCP Server, TCP Client, UDP
- Embedded beeper for positioning
- Supports Windows 2000/XP/2003/Vista

$CE$  FC  RoHS

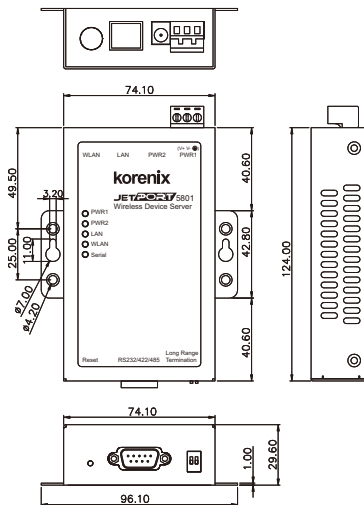RS232/422/485 | 802.11b/g | JetPort Commander | Real COM

## Overview

The JetPort 5801 is a 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 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.

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.

## Dimensions (Unit –mm)



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# 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, 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
**Protocols:** IP, TCP, UDP, ICMP, DHCP, BootP, ARP/RARP,
SNMP, HTTPS, SSH, SNTP, 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:** Real COM, 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, RCOM/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:** Real COM, 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 4.8 Watts

## Mechanical
**Dimensions:** 96.1mm(W)x124mm(D)x29.6mm(H)
**Regulatory Approvals:**
FCC Class A, CE Class A, 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:
- JetPort 5801
- Quick Installation Guide
- 100~240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM

# Optional Accessories

**JPA-2.4G-5dBi,**
**Dipole Antenna 2.4G, 5dBi**