

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
- 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

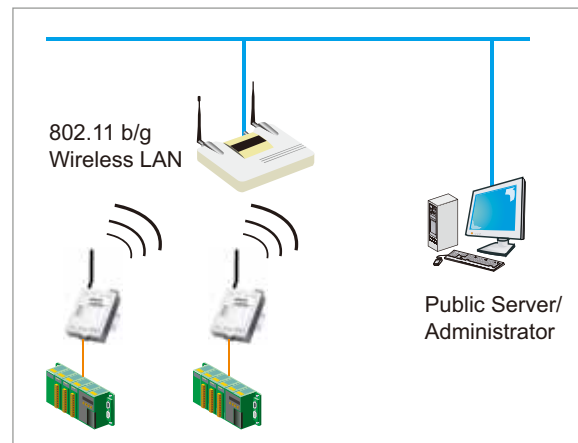
The JetPort 5801 is an one port RS-232/422/485 to Wireless Serial Device Server. The Wireless LAN interface is 802.11b/g with up to 54Mbps speed, which can give you an easy way and high bandwidth connection to the hard-to-wire serial devices; and solve your network cabling problem in the field. The 128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

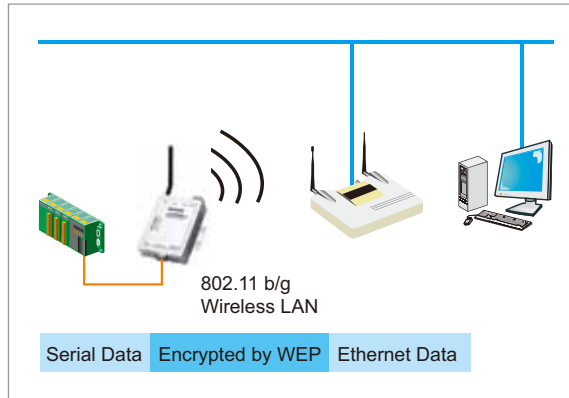
Ease Cabling by 802.11b/g Wireless LAN

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.



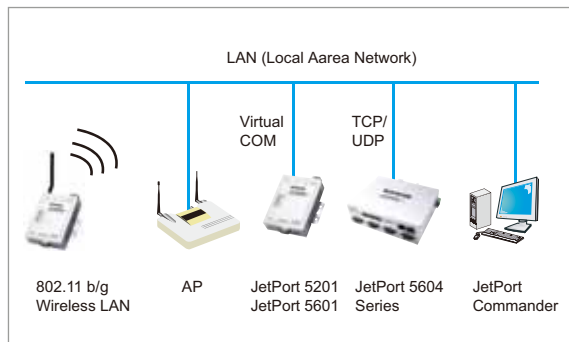
Encrypted Data Transmission with 128-bit WEP

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.

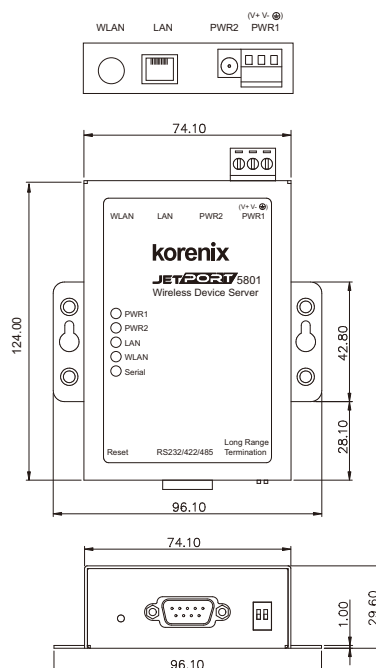


JetPort Commander Compatibility

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, 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: 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:

- JetPort 5801
- Quick Installation Guide
- 100~240VAC power adapter
- Din-Rail kit and foot pads
- Documentation and Software CD-ROM

Ordering Accessories

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

