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
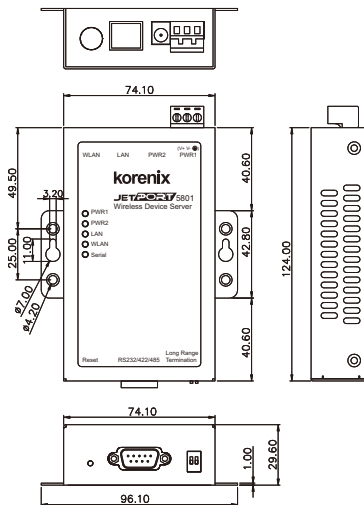- Embedded beeper for positioning
- Supports Windows 7/2000/XP/2003/Vista

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)

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