

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

# JetPort 5801 V3



- ▶ Industrial Slim Size Wireless Serial Device Server
- ▶ 1-port RS-232/422/485 to Wireless Network
- ▶ IEEE 802.11n 2.4G Wi-Fi, up to 2T2R MIMO, 300Mbps
- ▶ 2-port Redundant Fast Ethernet Port
- ▶ Versatile Serial Application: Real COM, TCP Server, TCP Client and UDP Listening
- ▶ Up to 5 Simultaneous Serial Connections
- ▶ Management by Web GUI and JetPort Commander
- ▶ Event Warning by Syslog, Email and SNMP trap
- ▶ Supports Windows 10/8/7/Vista/XP/2008/2003/2000
- ▶ Heavy Industrial Grade design
- ▶ Operating Temperature: -10~70°C
- ▶ Triple Power Inputs by 9~48VDC Terminal Block, Power Jack or Passive PoE



802.11 b/g/n



RS232  
/422/485



MIMO



Dual  
Ethernet



Dual  
Power



JetPort  
Commander

## Overview

JetPort 5801 is a Wireless Serial Device Server. It equips with 1-port RS-232/422/485, 2-port redundant Fast Ethernet and Wireless interface.

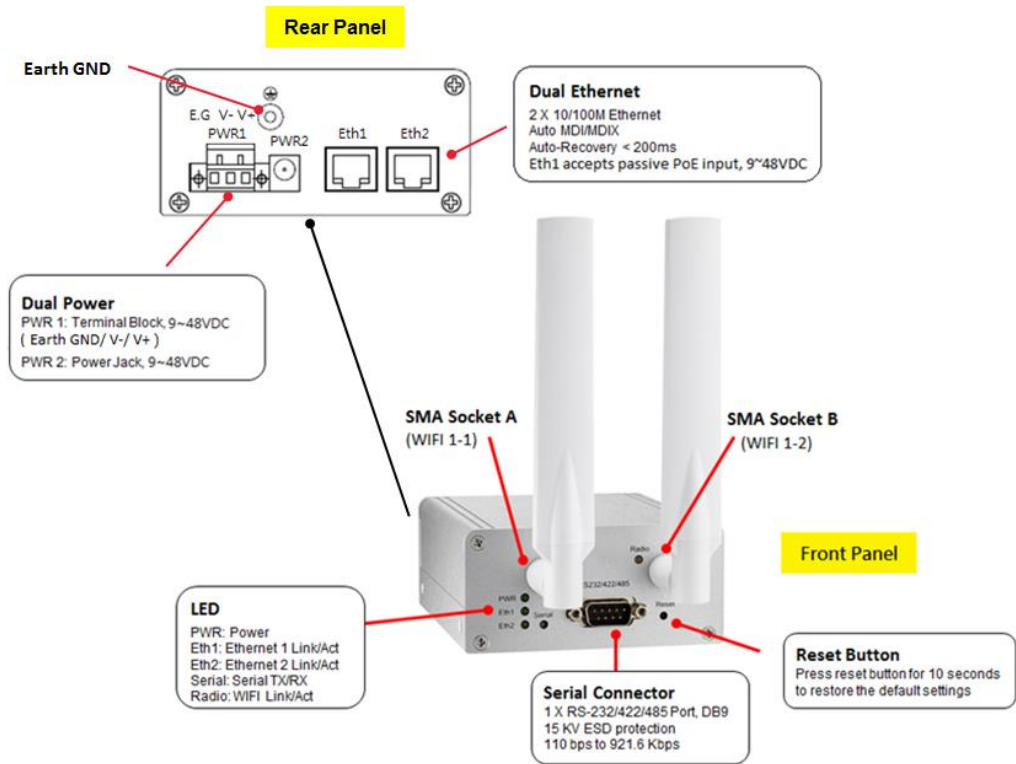
The serial interface on JetPort 5801 supports versatile serial application, such as Real COM, TCP Server, TCP Client and UDP Listening. The serial data can be transmit through Wi-Fi interface, and it's easy to connect to the hard-to-wire serial devices and thus solve your network cabling problem in the field.

The Dual Ethernet ports can support RTTD (Redundant to the Device) or connect as Daisy Chain. With RTTD, the redundant Ethernet ports can auto-recover in less than 200ms if the primary link breaks, as a result guaranteeing a non-stop connection.

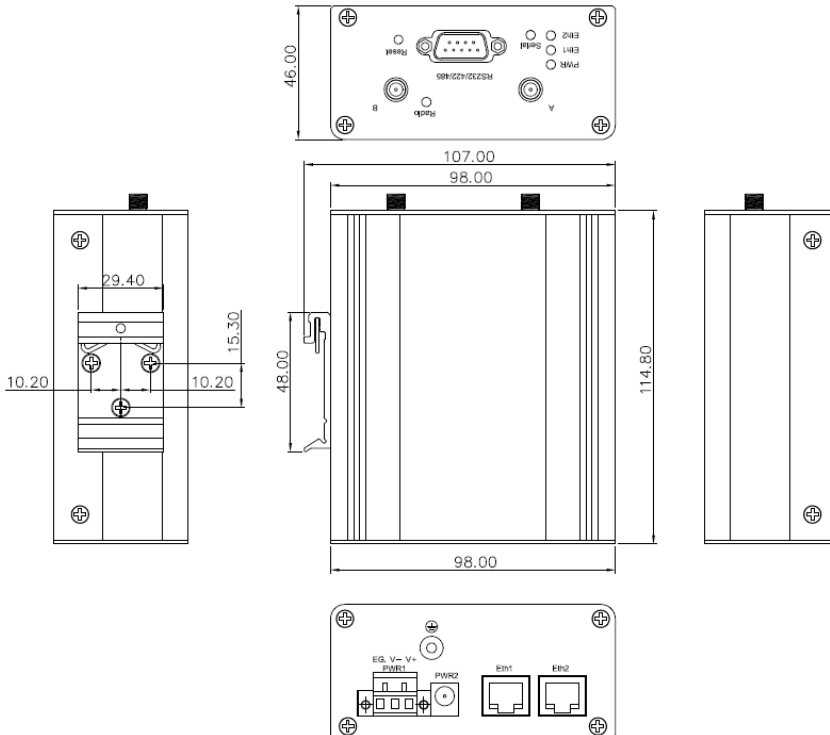
The Wireless interface on JetPort 5801 support 802.11b/g/n 2T2R MIMO technology and up to 300Mbps speed, which can give you a high bandwidth and reliable transmission. To provide a higher security when data transmission, the JetPort 5801 implement 128bit WEP/WPA/WPA2 to avoid the unauthorized access or hack.

The JetPort 5801 can be configured by the JetPort Commander, it's an easy-to-use utility for Windows, that covers all management, monitoring, and control functions for one or multiple JetPort servers. The JetPort 5801 is equipped with two types of power input, terminal block or power jack. The JetPort 5801 can be wall mounted (Optional) or din-rail mounted by the default din-rail kit.

# Appearance

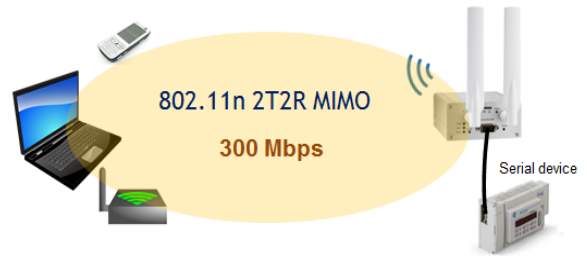


# Dimension (Unit = mm)



## Wireless 2.4G 802.11n 2T2R MIMO

The JetPort 5801 support IEEE 802.11n with 2T2R MIMO technology, the transmission rate is up to 300Mbps@40MHz that provide the wireless stability and help to construct a high bandwidth wireless network.



## Versatile Serial Application

### Up to 5 simultaneous connections

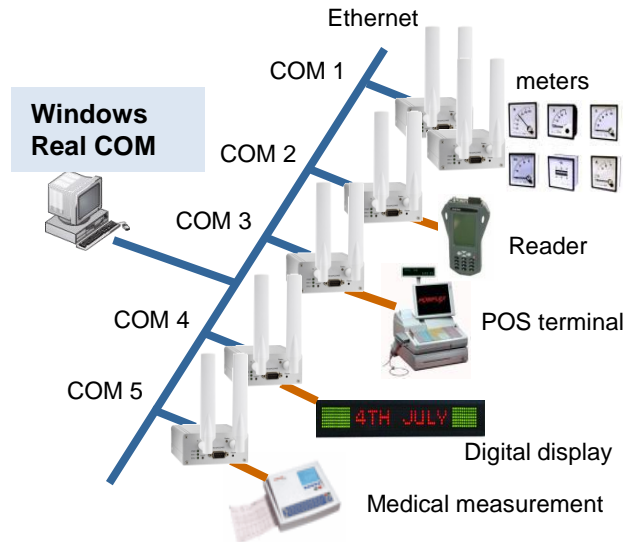
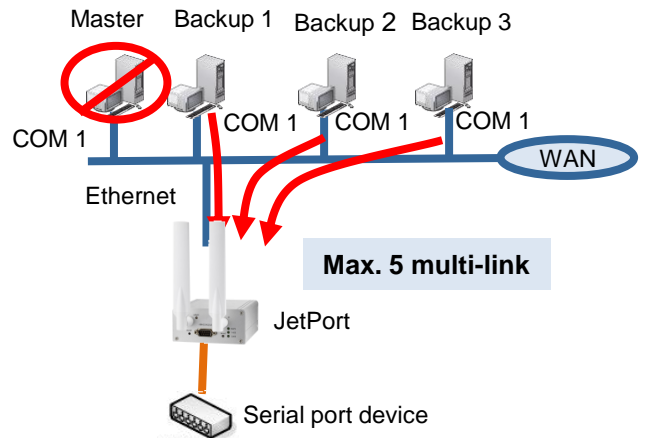
JetPort 5801 provide up to five simultaneous Real COM, TCP Server, TCP Client and UDP connections. You can easily connect to the serial devices over Ethernet/Wireless and plan your serial to Ethernet/Wireless applications.

### Windows Real COM

JetPort 5801 can be accessed by the Windows as the Real COM port. Do not have to modify the existing program to upgrade the latency serial communications into serial over IP application.

### TCP/UDP Socket

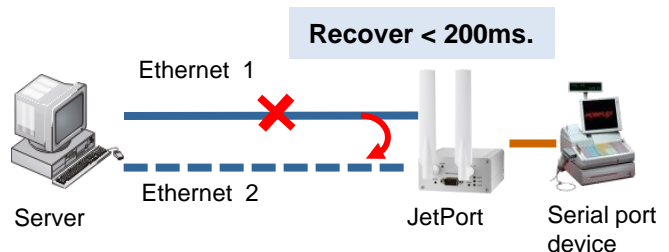
JetPort can be configured as TCP Server, to listen to TCP connection request, or as TCP Client, to actively request TCP connection to send data, or as UDP mode for multiple destination transmission.



## World's First RTTD Technology

### RTTD, Redundant to the Device

JetPort 5801 provide dual Ethernet ports. When the dual Ethernet ports are connected, only one path will be activated, this is known as Primary path. The un-activated path will be the Backup path. When the primary path is down, the backup path will recover connection in less than 200ms.



# Specification

Technology	
Standard	Ethernet: IEEE 802.3 for 10BaseT IEEE 802.3u for 10/100Base-TX Wireless: IEEE 802.11 b/g/n Wireless LAN
Ethernet	
Ethernet Port	2 x 10/100Base-TX, Redundant Dual Ethernet
Connector	RJ-45 Auto MDI/MDI-X
Protection	Built-in 1.5 KV magnetic isolation protection
Protocols	IP, TCP, UDP, ICMP, DHCP, BootP, ARP/RARP, SSH, SNMP, HTTP, HTTPS, SNTP, SMTP, TFTP, DNS, RFC2217
Wi-Fi	
WLAN Standard	IEEE802.11 b/g/n 2.4G WLAN
Operating Frequency	2.4GHz Band (802.11n) FCC : 2.412-2.462GHz CE : 2.412-2.472GHz (Programmable for different country regulations)
MIMO	2T2R
Spread Spectrum Technology	DSSS with CCK, DQPSK, OBPSK OFDM with BPSK, QPSK, 16QAM, 64QAM
Tx Power	Up to 17dBm (Depend on Data Rate)
Rx Sensitivity	Up to -90dBm (Depend on Data Rate)
Transmission Rate	IEEE 802.11g: Up to 54Mbps IEEE 802.11n: Up to 300Mbps @ 40MHz
Antenna	Supports the antenna diversity function Gain: 4dBi
Serial Communication	
Serial Ports	1 x RS-232,RS-422, 2/4-wire RS-485
Connectors	Male DB9
Baud Rates	110 bps to 921.6K bps
Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Even, Odd, Space, Mark
RS-232	DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS,RI
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
Serial Line Protection	15KV ESD
Long Distance Termination	120ohm

Features	
LED	Power : Power On(Green) Ethernet 1/Ethernet 2 : 10/100M Link(Green) Serial: Transmitting data(Green), Receiving data(Red) Radio: Connected(Green)
Configuration	Windows Utility-JetPort Commander, HTTPS, SSH
Operation Mode	System: Bridge Wireless: CPE Mode
WLAN Discover	5 AP List
WLAN Strength	5 Level
WLAN Security	WEP 64-bit/128-bit data encryption, WPA/WPA2 Personal mode (AES/TKIP), WPA/WPA2-Enterprise mode (PAP, MS-CHAPv2, 802.1x EAP with TLS/TTLS/LEAP/PEAP/FAST)
Reset	Software/ Hardware reset button, Reset to Default over 10 seconds
SNTP	For time management
Access IP Table	16 IP addresses to prevent illegal users
Monitor	Devices status, Real COM status
DHCP	DHCP Client
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 Event	Cold/Warm Start, Login Failed, IP and Password Changed, Access IP Blocked, Serial Port DCD/RI/DSR/CTS changed, Serial Port connected/disconnected.
Windows Utility	
Windows OS	Win 10/8/7/Vista/XP/2008/2003/2000
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 COM, TCP Server, TCP Client and UDP mode
Advanced Serial Setting	TCP Alive Check Timeout, Inactivity Idle Timeout, Performance mode, Delimiter, Force TX Timeout for Data Packing, Force TX interval time, Force TX data length and Long Distance Termination
Group Configuration Wizards	JetPort Commander: Group IP Wizard, Group firmware upgrade, Group Backup/Restore, Real COM and TCP Tunnel Setup Wizard
Power Requirements	
System Power	PWR1: 9-48VDC with 3-pin Terminal Block PWR2: 9-48VDC Power Jack Passive PoE: 9-48VDC through Eth1 port, PoE Wiring Mode B (power on pins 4,5, 7, and 8)
Power Consumption	Maximum 4.8 Watts
Mech. & Environmental	
Dimension	98mm(W) x 114.8mm(D) x 46mm(H)
Operation Temperature	-10-70°C
Operation Humidity	5%-95%, (non-condensing)
Storage Temperature	-40-85°C

## Approvals

Regulatory Approvals	FCC Class A, CE Class A , UL(compliance), RoHS R&TTE: CE EN55022/55024 EN61000-6-2/4 Industrial Environment EN301489-1/17 EN301908-1 EN300328 EN50385/EN62311 MPE assessment Safety EN60950-1
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Warranty	5 years
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## Ordering Information

JetPort 5801 V3	Industrial 1-port RS-232/422/485 Wireless Serial Device Server
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Includes	Product Unit Quick Installation Guide Din-Rail kit 3-pin Power input connector 2x Wi-Fi 2.4G Antenna *Please download user manual from Korenix Web Site
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## Optional Accessories

MTK-W-78	Wall Mount Bracket 78mm(W) x 28mm(H) x 1.6mm(D)
PWA1208-US	Power Adapter 12VDC 0.8A, 100-240VAC US plug
PWA1208-EU	Power Adapter 12VDC 0.8A, 100-240VAC EU plug
PWA1208-UK	Power Adapter 12VDC 0.8A, 100-240VAC UK plug
PWA1208-AU	Power Adapter 12VDC 0.8A, 100-240VAC AU plug

\* The operating temperature of power adapter is 0-40°C, if the working temperature is over this range, please use DC terminal block power input or passive PoE on JetPort 5801 (Operating Temperature: -10-70°C)