

2-Port Serial to Ethernet Adapter, IP Serial Device Server For Remote RS232 Devices, Wall/DIN Rail Mountable, Metal Housing, RJ45 LAN to DB9 Serial Converter, TAA

**Product ID:** I23-SERIAL-ETHERNET



This 2-port serial to IP converter is an efficient solution for remotely connecting and controlling a variety of RS232 serial devices over an IP-based network.

The serial over LAN adapter is highly customizable using the Windows-based companion software, Device Server Manager (DSM), that enables the creation of virtual COM ports, allowing seamless migration of existing serial applications to the new virtual COM ports. The DSM provides a unified management experience, allowing multiple serial to Ethernet converters to be managed simultaneously. The converter also features a versatile web-based interface for remote management, making it compatible in mixed OS environments.

Dual power options, DC jack and terminal block, provide installation flexibility and convenience. The converter is housed in a full metal enclosure for durability in harsh environments. The DB9 over IP converter includes all necessary wall and DIN rail mounting hardware. Multiple mounting holes along the chassis allow it to be installed in the most useful orientation for any application. Dimensions of 7x2.3x0.9in (178x59.4x23mm).

The TAA-compliant IP-to-serial converter features a single RJ45 10/100 Mbps Ethernet port and supports Telnet Server (RFC2217), TCP Server, TCP Client, and UDP protocols for versatile network connectivity. It also includes a universal power adapter, supports Level-4 ESD protection (15kV air/8kV contact), and can supply 5VDC over pin 9 if required.

## Certifications, Reports and Compatibility



## Applications

## Features

- **SERIAL TO IP CONVERTER:** Connect up to two RS232 serial devices remotely over an IP-based network; Use for POS systems, barcode readers, sensors, weighing systems, CNC controllers & PLCs; DB9 serial ports supports up to 921.6Kbps; TAA-compliant
- **UNIFIED ECOSYSTEM:** Product family includes Windows Virtual COM software for centralized control and virtual COM port setup; WebUI web interface to access/configure from any OS; Export/import settings, admin password protection, and upgradeable firmware
- **ETHERNET AND POWER OPTIONS:** Single RJ45 port compatible w/auto-negotiation 10/100Mbps; Serial device server operates over Telnet (RFC2217)/UDP/TCP client/server; Serial to LAN converter includes a power adapter & supports 5V over pin 9 for serial devices
- **MOUNTING OPTIONS:** Includes all the necessary hardware for wall and DIN rail mounting; Multiple mounting holes on the RS232 over IP adapter allow installation in the optimal orientation for any application
- **RUGGED ENCLOSURE:** All-metal housing ensures durability in harsh conditions; Dimensions 7x2.3x0.9in (178x59.4x23mm); Supports Level-4 ESD protection (15kV air/8kV contact)

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### Hardware

Warranty	2 Years
Ports	2
Interface	Serial
Industry Standards	IEEE 802.3u (100BASE-TX) , IEEE 802.3i (10BASE-TX) , EIA/TIA-232

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### Performance

Serial Protocol	RS-232
Max Baud Rate	921.6 Kbps
Data Bits	7, 8
Flow Control	RTS/CTS , X-ON/X-OFF , None
Parity	None, Even, Odd, Mark, Space
Stop Bits	1, 2
Remote Management Ability	Yes
Surge Protection	ESD (Electrostatic Discharge) Level 4 Protection:

	15kV IEC1000-4-2 Air
	8kV IEC1000-4-2 Contact
Compatible Networks	10/100 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Supported Protocols	IP, Telnet RFC2217, TCP Server, TCP Client, and UDP

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### Connector(s)

Connector Type(s)	1 - DB-9 (9 pin, D-Sub)  1 - RJ-45  1 - Terminal Block (2 Wire)
Connector A	1 - RJ-45
Connector B	1 - DB 9-pin Serial

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### Software

OS Compatibility	<strong> Virtual COM software supports Windows only. </strong>  Compatible with Windows XP, Vista, 7, 8, 8.1, 10, 11
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### Special Notes / Requirements

Note	<strong> Note:</strong> The device server's hardware is compatible with macOS and Linux; however, the provided Virtual COM software is not compatible with these operating systems.  When used with macOS and Linux, the device server can only be configured using the WebUI.
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### Indicators

LED Indicators	1 - RJ-45 Right LED  Steady green: Ethernet connection Blinking green: Activity Off: Ethernet is not connected   2 - DB-9 Top LEDBlinking green: Activity Around DB-9 port  Top LED: Transmit data activity Bottom LED: Receive data activity Off: No activity   4 - DB-9 Left LEDBlinking green: Receive data activity Off: No activity  Right LEDBlinking green: Transmit data activity Off: No activity 
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1 - Power LED  
Steady green: Power is on  
Off: Power is off  
Blinking green: Restoring to factory settings

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**Power**

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.48A
Output Voltage	5V DC 5V DC
Output Current	3A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	15W

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**Environmental**

Operating Temperature	0C to 60C (32F to 140F)
Storage Temperature	-20C to 75C (-4F to 167F)
Humidity	5~95% RH (Non-condensing)

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	2.4 in [6.0 cm]
Product Width	7.0 in [17.9 cm]
Product Height	0.9 in [2.3 cm]
Weight of Product	11.1 oz [315.0 g]

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**Packaging Information**

Package Length	9.5 in [24.2 cm]
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Package Width	6.5 in [16.6 cm]
Package Height	2.2 in [5.5 cm]
Shipping (Package) Weight	1.4 lb [0.6 kg]

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**What's in the Box**

Included in Package	1 - 2-Port Serial Over IP Device Server
	1 - Din Rail Kit
	2 - Din Rail Screws
	1 - Universal Power Adapter
	1 - Quick-Start Guide

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***\*Product appearance and specifications are subject to change without notice.***