

1-Port Serial to Ethernet Adapter, 802.3af PoE IP Serial Device Server For Remote RS232 Devices, Wall/DIN Rail Mountable, RJ45 LAN to DB9 Serial Converter, TAA

Product ID: I13P-SERIAL-ETHERNET



This PoE serial-to-IP converter is an efficient solution for remotely connecting and controlling a variety of RS232 serial devices over an IP-based network. Compliant with the 802.3af PoE standard, the RJ45 LAN to DB9 adapter facilitates a seamless integration of data and power supply to the unit through a single Cat5/5e/6/6a copper cable

The serial over LAN adapter is highly customizable to support various applications. It can be used to remotely control an RS232 device directly. Alternatively, two serial over LAN adapters can be connected to each other on the same network and create a full end-to-end RS232 serial connection. The Windows-based companion software, Device Server Manager (DSM), 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.

PoE and Ethernet options

Choose between dual power options, M-size barrel connector and Power over Ethernet (PoE), that provide maximum installation flexibility for a variety of scenarios. 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. Supports Level-4 ESD protection (15kV air/8kV contact) and can supply 5VDC over pin 9 if required.

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. The compact design of 1.8x1x3.2in (46.1x 25x 81.9mm) is ideal for environments where space is at a premium.

Certifications, Reports and Compatibility



Applications

Features

- **SINGLE PORT POE SERIAL TO IP CONVERTER:** PoE powered RJ45 LAN to RS232 to connect serial devices over IP-based network; Use for POS systems, barcode readers, sensors, weighing systems, CNC controllers & PLCs; DB9 port 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
- **POE & FAST ETHERNET:** Single RJ45 port compatible w/802.3af & auto-negotiation 10/100Mbps; Serial device server supports Telnet (RFC2217)/UDP/TCP client/server; Serial to LAN converter w/dual power options, M-size barrel plug & PoE; Supports 5V over pin 9
- **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 1.8x1x3.2in (46.1x 25x 81.9mm); Supports Level-4 ESD protection (15kV air/8kV contact)

Hardware

Warranty	2 Years
Ports	1
Interface	Serial
Industry Standards	IEEE 802.3u (100BASE-TX) , IEEE 802.3i (10BASE-TX) , IEEE 802.3af Type 1 / PoE (15.4 W) , EIA/TIA-232

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
	Connector A	1 - RJ-45
	Connector B	1 - DB 9-pin Serial
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Software		
	OS Compatibility	 Virtual COM software supports Windows only. Compatible with Windows XP, Vista, 7, 8, 8.1, 10, 11
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Special Notes / Requirements		
	Note	 Note: 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. For PoE power, PoE infrastructure is required, e.g., PoE switch, PoE injector, or similar
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Indicators		
	LED Indicators	1 - RJ-45 Right LED Steady green: Ethernet connection Blinking green: Activity Off: Ethernet is not connected 1 - RJ-45 Left LED Steady orange: PoE powered

Off: Not PoE powered

2 - DB-9
Top LEDBlinking green: Activity
Around DB-9 port
Top LED: Transmit data activity
Bottom LED: Receive data activity
Off: No activity

1 - Power LED
Steady green: Power is on
Off: Power is off
Blinking green: Restoring to factory settings

Environmental

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

Physical Characteristics

Color	Black
Material	Steel
Product Length	1.8 in [4.6 cm]
Product Width	3.2 in [8.2 cm]
Product Height	1.0 in [2.5 cm]
Weight of Product	5.5 oz [155.0 g]

Packaging Information

Package Length	8.1 in [20.7 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.2 in [3.0 cm]
Shipping (Package) Weight	2.6 lb [1.2 kg]

What's in the Box

Included in Package	1 - 1-Port Serial Over IP Device Server
	1 - Din Rail Kit
	1 - Mounting Bracket
	4 - Mounting Bracket Screws

1 - Quick-Start Guide

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