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 DB9 to Ethernet Adapter family shares the same Windows Virtual COM Port software and Web User Interface (WebUI) for a unified experience. Users can employ the Windows software to view and manage all device servers within a network and to set up virtual COM ports. Alternatively, the WebUI provides a platform-independent method, allowing users to access and configure these device servers from any operating system. This flexibility ensures that administrators can manage their network of device servers efficiently, regardless of the operating system they are using.

The product family includes the following options:

• 1-Port Serial to Ethernet Adapter with PoE (I13P-SERIAL-ETHERNET)

• 1-Port Serial to Ethernet Adapter (I13-SERIAL-ETHERNET)

• 2-Port Serial to Ethernet Adapter (I23-SERIAL-ETHERNET)

• 4-Port Serial to Ethernet Adapter (I43-SERIAL-ETHERNET)

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 SERIAL TO IP CONVERTER: Connect different RS232 serial devices remotely over an IP-based network; Use for POS systems, barcode readers, sensors, weighing systems, CNC controllers & PLCs; DB9 serial port supports up to 921.6Kbps; TAA Compliant

• UNIFIED ECOSYSTEM EXPERIENCE: All our device servers share the same management software and Web UI; View/manage individual devices with a common UI on any OS; Windows software to set up virtual com ports and view/manage all device servers on the network

• VERSATILE CONFIGURATIONS: PoE powered converter support TCP client/server mode to enable serial tunneling between two device servers over a LAN; Export/import settings, custom naming / location, admin password protection, and upgradeable firmware

• ETHERNET AND POWER OPTIONS: Single 10/100Mbps RJ45 port w/auto-negotiation; Serial device server operates over Telnet (RFC2217)/UDP/TCP; Serial to LAN converter

• RUGGED AND MOUNTABLE ENCLOSURE: All-metal housing ensures durability in harsh conditions; Supports Level-4 ESD protection (15kV air/8kV contact); Includes the necessary wall and DIN rail mounting hardware; Dimensions 1.8x1x3.2in (46.1x 25x 81.9mm)

• SERIAL TO IP CONVERTER OPTIONS: Our family of device servers includes the following options: I13-SERIAL-ETHERNET (1 Port), I13P-SERIAL-ETHERNET (1 Port w/ PoE), I23-SERIAL-ETHERNET (2 Port), and I43-SERIAL-ETHERNET (4 Port)

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
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
Software		
	OS Compatibility	Virtual COM software supports Windows only. Compatible with Windows 8, 8.1, 10, 11
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
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.