1-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: I13-SERIAL-ETHERNET

This 1-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 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 to 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.

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.

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

• 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: 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 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) , 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 XP, Vista, 7, 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.

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

Power

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

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	9.5 in [24.2 cm]
	Package Width	6.5 in [16.6 cm]
	Package Height	2.2 in [5.5 cm]
	Shipping (Package) Weight	1.1 lb [0.5 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 - Universal Power Adapter
	1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.