NET232jr - Smallest Integrated Device Server Ethernet to Serial

Part No: MPGC-CAN-U2C-NET232jr
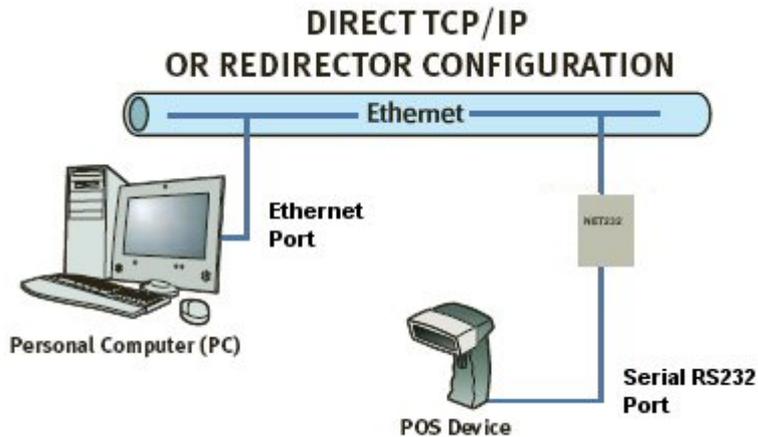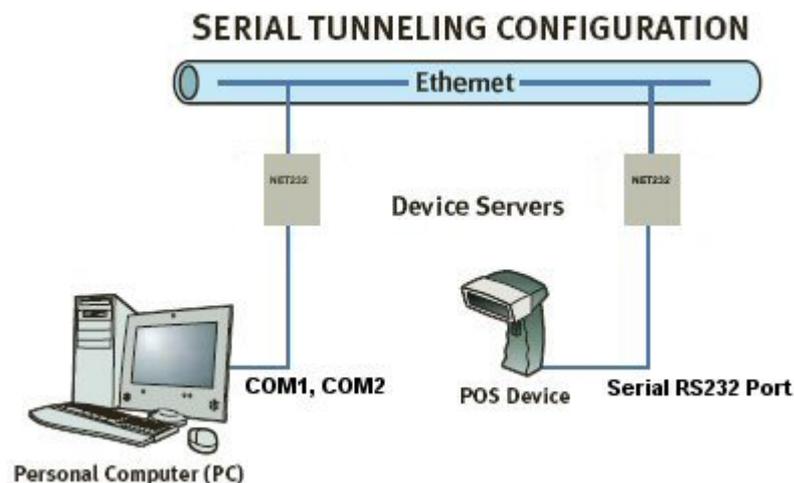

DESCRIPTION:

The NET232jr is the mini version of the NET232, an RS232-to-Ethernet cable adaptor that enables any device or machine with a serial port to become Ethernet network and Internet enabled. Now you can keep the IP address in the cable and exchange the serial device without having an IT person. The NET232jr is designed to be an OEM device and can be customized to have different types of cables: RJ45, DB9/male, DB9/female or your custom connector. The only major difference between the NET232 and the NET232jr is the jr **requires that 3.3V** be supplied on the serial connector. The NET232jr features a powerful built-in device server so you can access your serial device from anywhere in the world over internet!   The NET232jr is easily configured via a web page and can also be set up through the serial port. You can use DHCP, AutoIP or assign a Static IP address to the NET232jr!

There are two basic modes of operation, "**Redirector**" and "**Serial Tunneling**".

Redirector Mode: In Redirector Mode, only one NET232jr is needed per serial device.   ComPort Redirector Software (free with purchase) is installed on your Windows PC to create a "virtual" COM Port (e.g. COM3). You can then use this COM port in your Software application just as you would any physical COM port attached to your PC. Create a virtual COM Port for every NET232jr device on your network and connect to them all from a single PC!

DIRECT TCP/IP OR REDIRECTOR CONFIGURATION

Ethernet

Ethernet Port

Personal Computer (PC)

NET232

POS Device

Serial RS232 Port

Serial Tunneling Mode: In Serial Tunneling mode, two NET232jr's are used to create a "Serial Tunnel" over Ethernet. This can be thought of as cable replacement. Each NET232jr is configured to have a remote IP address that is the other NET232jr in the pair. No software is required to be loaded on a PC. Now you have an infinite length RS232 cable that is connected over the internet. This configuration is also an excellent option for non-windows PCs or computers.

SERIAL TUNNELING CONFIGURATION

Ethernet

NET232   Device Servers   NET232

Personal Computer (PC)

COM1, COM2   POS Device   Serial RS232 Port

FEATURES:

- Local or Worldwide Ethernet 10/100M or Internet Connection
- Serial baud rates (300, 600, 1200, 2400, 4800, 9600, 19.2k, 38.4k, 115.2K,...921.6K)
- Ethernet activity, Power LED's

- Web Server, configuration and user pages
- User defined serial cable (RJ45 shown), other options DB9
- Encrypted Version available
- Plastic housing
- OEM versions available for small minimum quantity
- **Includes CD with Manuals, PC Setup and Virtual COM Port Redirector Software**

SPECIFICATIONS:

Serial Interface	
Data Rates	300 bps to 921,600 bps
Characters	7 or 8 data bits
Parity	odd, even, none
Stop Bits	1 or 2
Flow Control	XON/XOFF, RTS/CTS
Connector	DB9 - DTE (male) or DCE (female) or RJ45 or custom cables/connectors (call) also available
Network Interface	
Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Connector	RJ45
Protocols	TCP/IP, UDP/IP, ARP, ICMP, SNMP, TFTP, Telnet, DHCP, BOOTP, HTTP, and AutoIP

Indicators (LED)

- 10Base-T connection
- 100Base-TX connection
- Link & activity indicator - Full/half duplex
- Power

Management

- SNMP, Telnet, serial, internal web server, and Microsoft

Windows®-based utility for configuration	

Security

- Password protection
- Optional 256-bit AES Rijndael encryption

Internal Web Server

Storage Capacity	384KB for web pages

Architecture

CPU	Based on the DSTni-EX enhanced 16-bit, 120MHz, x86 architecture
Memory	256KB SRAM and 512KB flash
Firmware	Upgradeable via TFTP and serially

Power

Input Voltage	3.3VDC on the connector

Packaging

Dimensions	55mm x 30mm x 24mm - Case without Cable
Weight	5.0 oz.

Included Software

MS Windows®-based DeviceInstaller software device installer and MS Windows-based Comm Port Redirector

Certifications

CE