RX TERM
TX TERM
TXD A
TXD B
RXD A
RXD B
SGND
GND
8-24VDC

::: gridconnect.
NET485
Ethernet-RS422/485 Adapter

ETH
PWR

NET485 Adapter/Converter Serial RS422/485 to Ethernet

NET485 is an economical Serial-to-Ethernet adapter that can quickly and easily be added to any device with a RS422 or RS485 serial port, making that device Web-enabled. NET485 is a single port serial server, that converts a serial port to an Ethernet Port, thus removing cable length limitations, and allowing for "serial tunneling" of a device through an Ethernet or TCP/IP network.

Providing quality
Network products
and the best service
to our customers.

- Chips
- Modules
- Software
- Products

The NET485 is based on the powerful XPort™ device server, providing all the features of a high performance device server including a built-in web server for user customized web pages.

The NET485 is powered by external DC voltage (range 8-30VDC) that is connected to the terminal block. The NET485 has wide temperature specification – 30 to +65 degrees C. These specifications allow the NET485 to be used in commercial and industrial applications.

The NET485 has many uses and can be used anywhere a device server is used. This includes applications like fire and security panels, vending machines, point

of sale terminals, remote equipment management, IT management, access control, industrial control, home automation, instrumentation and many other applications that require a simple serial device to be networked.

The NET485 is designed with a terminal block to easily connect all the serial and power connections.

OEM and custom labeled versions of the NET485 are available with a min. order.

Modbus, Modbus TCP and Ethernet/IP and Encrypted Versions are available.

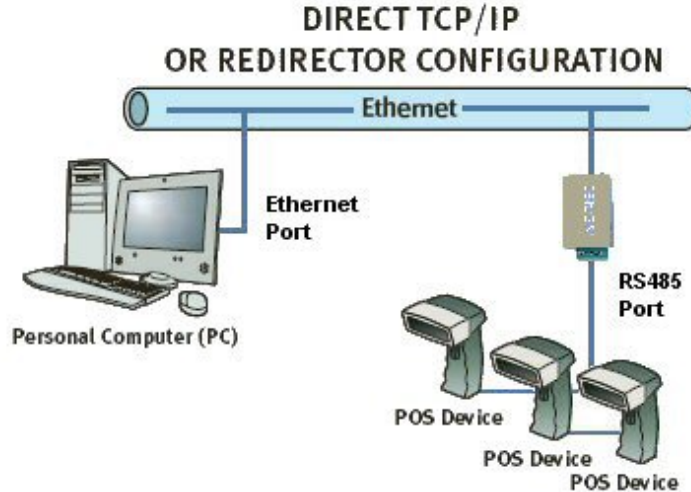# www.gridconnect.com

NET485

Serial to Ethernet Adapter

Features

- Compact Size
- 6-Page built-in Web Server
- 7 pole terminal block for all signals and power connections
- Both RS422 and RS485 Support
- Configurable 128, 192 or 256-bit AES Rinjdael Encryption (no encryption is the default setting
- Wide temperature range –30 to 65 degrees C
- External jumpers to enable TX/RX termination resistors
- Serial Device Server using XPort™
- Auto Sensing 10BASE-T/100BASE-TX compliant
- Selectable baud rate to 921K
- 7,8 data bits, multi-drop control
- Ethernet Activity and Status and Power LEDs
- Low cost
- OEM and custom versions available

Applications

- Fire and Security Panels
- Vending Machines
- Remote equipment management
- Access Control
- Industrial Control
- Home Automation
- Instrumentation
- Building Control
- Power Management

Serial Tunneling Configuration

DIRECT TCP/IP OR REDIRECTOR CONFIGURATION

Optional Surface Mount and DIN Rail Clips

DIN Rail Clip   **Surface Mount Clip**

Order On-Line at www.gridconnect.com

Part Numbers:

GC-NET485-01   (Serial RS422/485 to Ethernet)

GC-NET485-MB   (Modbus RTU/ASCII to Modbus TCP)

GC-NET485-EIP-MB   (Modbus RTU/ASCII to Ethernet/IP)

Surface Mount and DIN Rail Clips available.

Custom and OEM Specials are welcome!

Modbus TCP, Ethernet/IP and Encrypted Versions are also available