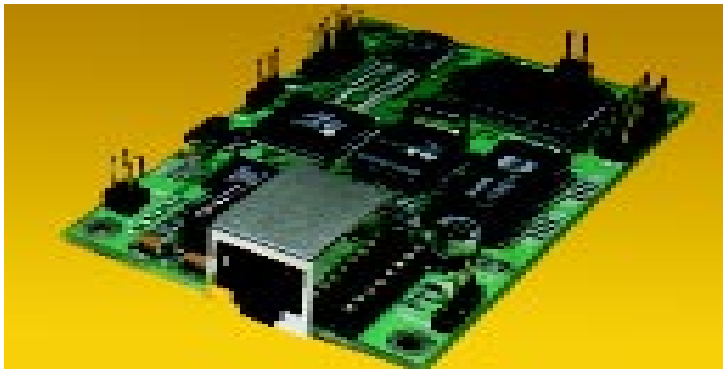
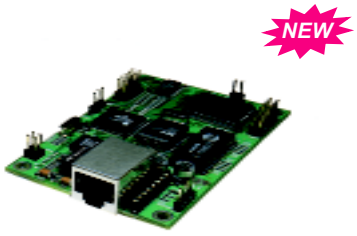
NPort Express Module



Make Your Serial Devices Internet Ready™



Overview

Why NPort Express Module?

"Everything is networked" is rapidly becoming the norm the world over. However, it takes tremendous manpower, precious time, and much experience, for equipment manufacturers to develop network technologies. Since most serial-comm based devices, such as card readers, come equipped with an RS-232 interface, NPort Express Module provides an immediate and easy solution for transferring RS-232 data across a TCP/IP network. By using NPort Express Module, your product can be value-added in no time, and moreover, the value of your existing equipment can be extended into the next generation.

What Is NPort Express Module?

NPort Express Module is a board-level product that equipment manufacturers can integrate into their products. NPort Express Module uses the TCP/IP protocol to convert from an auto-detecting 10/100 Mbps Ethernet interface to an RS-232 interface. It can convert the RS-232 serial port on a traditional device into a 100 Mbps Ethernet port with TCP/IP protocol. This allows information to be shared on the Internet or Intranet. NPort Express Module not only supports TCP/IP, but also Telnet and RTelnet, making it possible for you to build up applications based on the popular TCP/IP protocol. Moreover, NPort Express Module comes with Windows NT/95/98/2000 Comm driver, making it possible to run existing software on a networked PC that was originally using a direct serial connection.

Features

- Credit card size (57 x 86 mm)
- Turn serial devices into Internet-ready devices instantly
- Built-in Ethernet and TCP/IP protocol
- Auto-detecting 10/100 Mbps Ethernet interface
- Supports Telnet, RTelnet, Raw TCP connection
- Supports RS-232 interface

Benefits

- Instantly turn serial devices into Internet devices, saving on product development costs.
- Easy integration
- No need to change internal firmware of the serial device.
- No need to change the existing application software (Windows 95/98/NT/2000), saving transformation costs.
- Easy maintenance with remote management via the Internet or Intranet.

Interface \ Ports	1	2	4	8	16	32
RS-232	✓					
RS-422						
RS-485						

Specifications

Hardware

Processor	16 bit CPU
Memory	512 KB
Connector type	Pin header array

Interface

LAN	Auto-detecting 100Base-TX (10/100 Mbps)
Serial interface	RS-232
No. of serial ports	1
Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

** TTL interface is also available*

Performance

Speed	50 bps - 230.4 Kbps

Configuration

Parity	None, even, odd
Data bits	7, 8
Stop bits	1, 2 (None Parity Only)

OS Supported

DE-311M	Windows 2000, Windows NT, Windows 95/98/ME, Unix fixed tty for Unix Ware SVR4.2, UnixWare 7 SVR5, SCO Open Server, SCO UNIX, Linux 2.2.x/ 2.0.x (Intel x86)(running TCP/IP)

Protocol

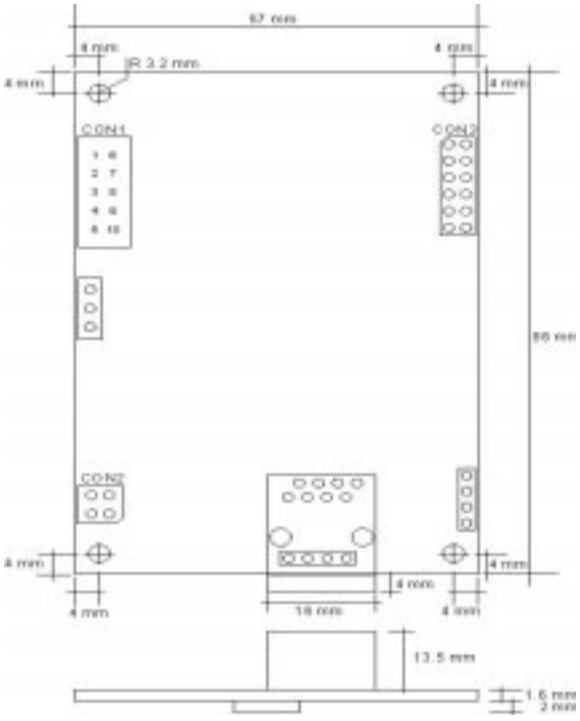
DE-311M	TCP, IP, UDP, Telnet, RTelnet, DHCP, ICMP

Power and Environment

Power requirements	5V DC, 630 mA (max.)
Operating temp.	0-55°C
Dimensions	57 x 90 x 18 mm (W x D x H)
Regulatory approvals	FCC, CE, UL

Please contact our sales personnel for more information.

Mechanical Drawing



Async com port

Pin	Con1
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	-
10	-

LED, Reset and Console/COM SW