

NPort DE-304/334

4-Port RS-232 or RS-422/485 Serial Device Server

Features

- **Easy-to-use LCM (Liquid Crystal Module) interface for setting up the server and displaying its IP address**
- **Auto-detecting 10/100 Mbps Ethernet**
- **4 Ports with RS-232 or RS-422/485 interface**
- **Surge protection for all serial signals (15 KV ESD)**
- **Supports Driver Mode, TCP Server, TCP Client, and UDP Server/Client**
- **Supports Windows Real COM drivers with automatic network connection recovery**
- **Supports Linux Real TTY drivers**



Specifications

LAN

Ethernet: 10/100 Mbps, RJ45

Protection: Built-in 1.5 KV magnetic isolation

Serial

Interface:

RS-232 or RS-422/485, DB9 Male

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, GND

RS-422: Tx+, Tx-, Rx+, Rx-, GND

RS-485: Data+, Data-, GND

Serial line protection: 15 KV ESD for all signals

RS-485 data direction: Patented Automatic Data Direction Control (ADDCTM)

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data bits: 5, 6, 7, 8

Stop bit: 1, 1.5, 2

Flow control: RTS/CTS, XON/XOFF

Speed: 50 bps to 230.4 Kbps

Software Features

Protocols: DHCP, BootP, Telnet, TCP, UDP, IP, ICMP, ARP

Utilities: NPort Management Suite for Windows 95/98/ME/NT/2000/XP, Linux Batch Configurator

Real COM/TTY drivers: Windows 95/98/ME/NT/2000/XP

Real COM drivers, Linux real tty driver

Configuration: Telnet Console, NPort utilities via Ethernet

Power Requirements

Power Input: 9 to 30 VDC

Power Consumption: 1.05A (at 9V max.)

Mechanical Specifications

Material: SECC sheet metal (1 mm)

Gross Weight: 1.88 kg (4.1 lb)

Environmental

Operating Temperature: 0 to 55°C (32 to 131°F), 5 to 95% RH

Storage Temperature: -20 to 85°C (-4 to 185°F), 5 to 95% RH

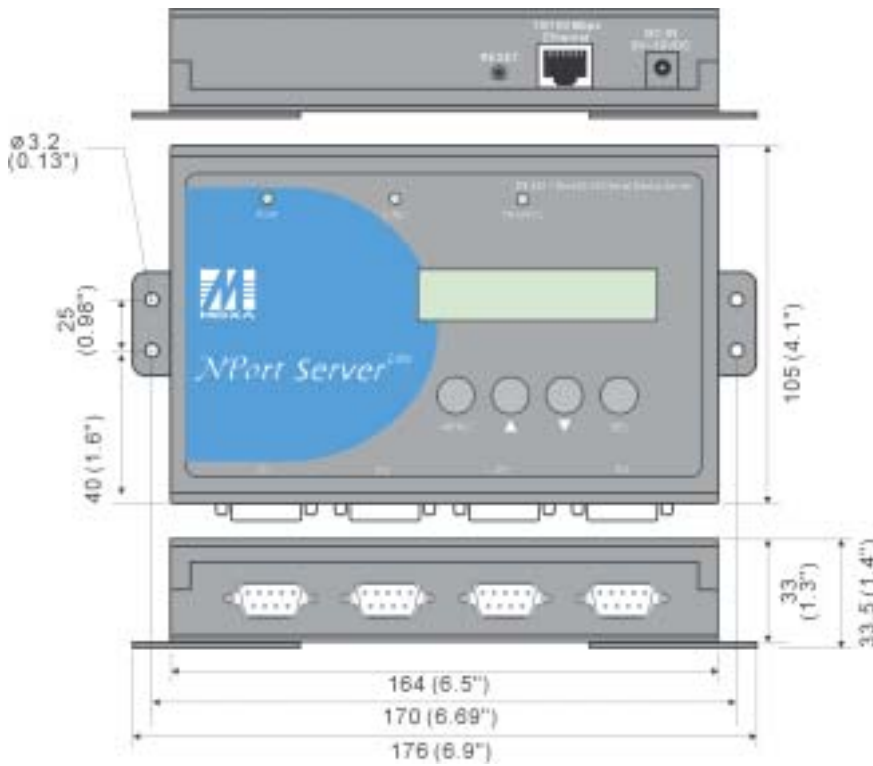
Agency Approvals

EMC: FCC Class B, CE Class B

Safety: UL, CUL, TÜV

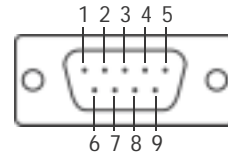
Dimensions

Unit: mm (inch)



Pin Assignment

Pin	DE-304	DE-334	
	RS-232	RS-422	RS-485
1	DCD	TxD-(A)	Data-(A)
2	RxD	TxD+(B)	Data+(B)
3	TxD	RxD+(B)	-
4	DTR	RxD-(A)	-
5	GND	GND	GND
6	DSR	RTS-(A)	-
7	RTS	RTS+(B)	-
8	CTS	CTS+(B)	-
9	---	CTS-(A)	-



Ordering Information

RS-232 Models

DE-304/110V:

DE-304 with 110V power adapter
(US plug, 12 VDC, 1.2A)

DE-304/230V (GR):

DE-304 with 230V power adapter
(Euro plug, 12 VDC, 1.2A)

RS-485 Models

DE-334/110V:

DE-334 with 110V power adapter
(US plug, 12 VDC, 1.2A)

DE-334/230V (GR):

DE-304 with 230V power adapter
(Euro plug, 12 VDC, 1.2A)

Optional Accessory

DK-35A:

DIN-Rail Mounting Kit (35 mm)