

# NPort DE-311, DE-211

## Make Your Serial Device Internet Ready

### Features

- RS-232/422/485 3-in-1 serial port
- Versatile socket operation modes, including TCP Server, TCP Client, UDP, Ethernet Modem, and Pair Connection
- Real COM/TTY drivers for Windows and Linux
- Easy-to-use NPort Management Suite software
- Cigarette pack size
- Fast Ethernet or Standard Ethernet
- 2- or 4-wire RS-485 with patented Automatic Data Direction Control (ADDC™)
- Built-in 15 KV ESD protection for all serial signals



DE-311



DE-211

### Specifications

#### LAN

##### Ethernet:

10/100 Mbps, RJ45 (DE-311)

10 Mbps, RJ45 (DE-211)

**Protection:** Built-in 1.5 KV magnetic isolation

##### Serial

**Interface:** RS-232/422/485 x 1, DB9 (F), switch selectable

**RS-232 Signals:** Tx+, Rx+, RTS, CTS, DTR, DSR, DCD, GND

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

**RS-485 2-wire Signals:** Data+, Data-, GND

**RS-485 4-wire Signals:** Tx+, Tx-, Rx+, Rx-, GND (DE-211 only)

**Serial Line Protection:** 15 KV ESD for all signals

**RS-485 Data Direction:** Patented Automatic Data Direction Control (ADDC™)

##### 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 COM driver, Linux real TTY driver

**Configuration:** Serial console via RS-232, Telnet console/NPort utilities via Ethernet

#### Power Requirement

##### Power Input:

DE-311: 9-30 VDC

DE-211: 12-30 VDC

##### Power Consumption:

DE-311: 300 mA at 9V (max.)

DE-211: 150 mA at 12V (max.)

##### Mechanical Specifications

**Material:** SECC sheet metal (1 mm)

##### Gross Weight:

DE-311: 0.88 kg (1.94 lb)

DE-211: 0.86 kg (1.89 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), 95% RH

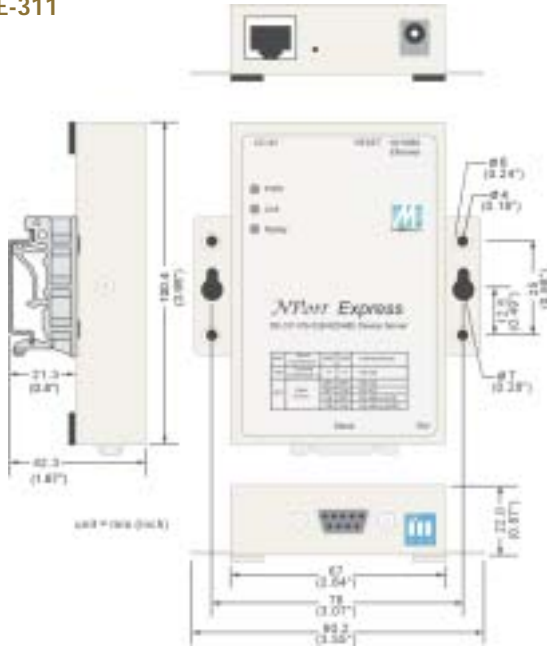
##### Regulatory Approvals

**EMC:** FCC Class B, CE Class B

**Safety:** CUL, TÜV

## Dimensions and Appearance

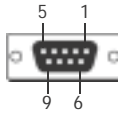
DE-311



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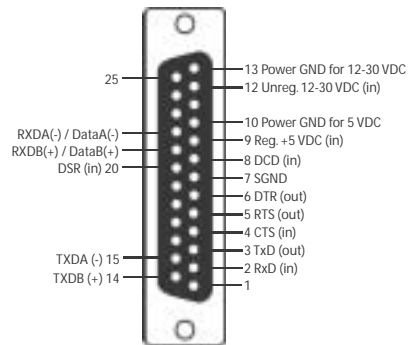


DE-311



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

DE-211



RS-422/485

RS-232

## Pin Assignment

## Ordering Information

**DE-311/110V:**

DE-311 with 110 V power adapter (US plug, 12 VDC, 400 mA)

**DE-311/230V(GR):**

DE-311 with 230 V power adapter (Euro plug, 12 VDC, 400 mA)

**DE-211/110V:**

DE-211 with 110 V power adapter (US plug, 12 VDC, 400 mA)

**DE-211/230V(GR):**

DE-211 with 230 V power adapter (Euro plug, 12 VDC, 400 mA)

**Optional Accessories**

**DK-35A:** DIN-Rail Mounting Kit (35 mm)

**NP21101:** DB25(M) to DB9 (F) RS-232 cable, 30 cm

**NP21102:** DB25(M) to DB9 (M) RS-232 cable, 30 cm

**NP21103:** DB25(M) Terminal Block Kit for RS-422/485