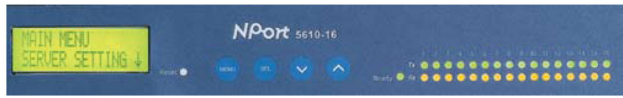


VTC2166900



Features

- Easy-to-use LCM (Liquid Crystal Module) interface for IP address configuration
- Standard 19-inch rack-mountable
- Auto-detecting 10/100 Mbps Ethernet
- 16 or 8 RS-232/422/485 ports
- Surge protection for all serial signals (15 KV ESD)
- Supports TCP Server, TCP Client, UDP, and Real COM Modes
- Supports web, Telnet console
- Supports SNMP MIB-II for network management



AC Power Input

100-240 VAC input,
47-63 HZ

AC Power Switch

Ethernet

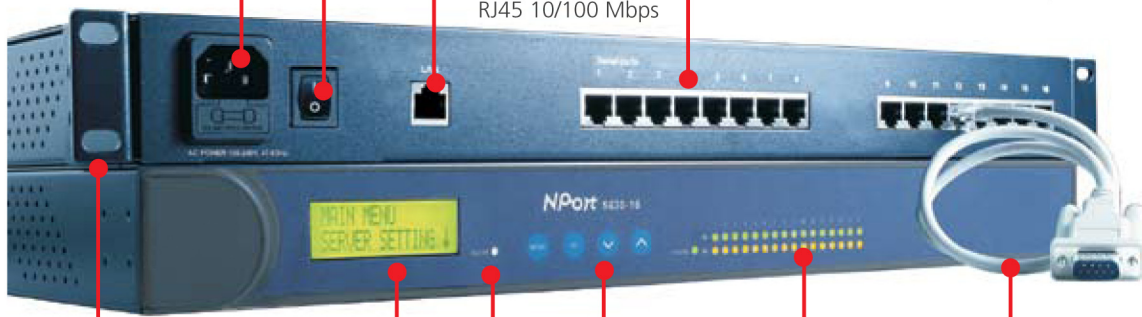
RJ45 10/100 Mbps

Serial Ports

5610: RJ45, RS-232, 50 bps to 921.6 Kbps

5630: RJ45, RS-422/485, 50 bps to 921.6 Kbps

5650: RJ45, RS-232/422/485, 50 bps to 921.6 Kbps



19-inch Rackmount

The Rackmount Kit is a
Standard accessory

Reset Button

Push Buttons

LCM Display Panel

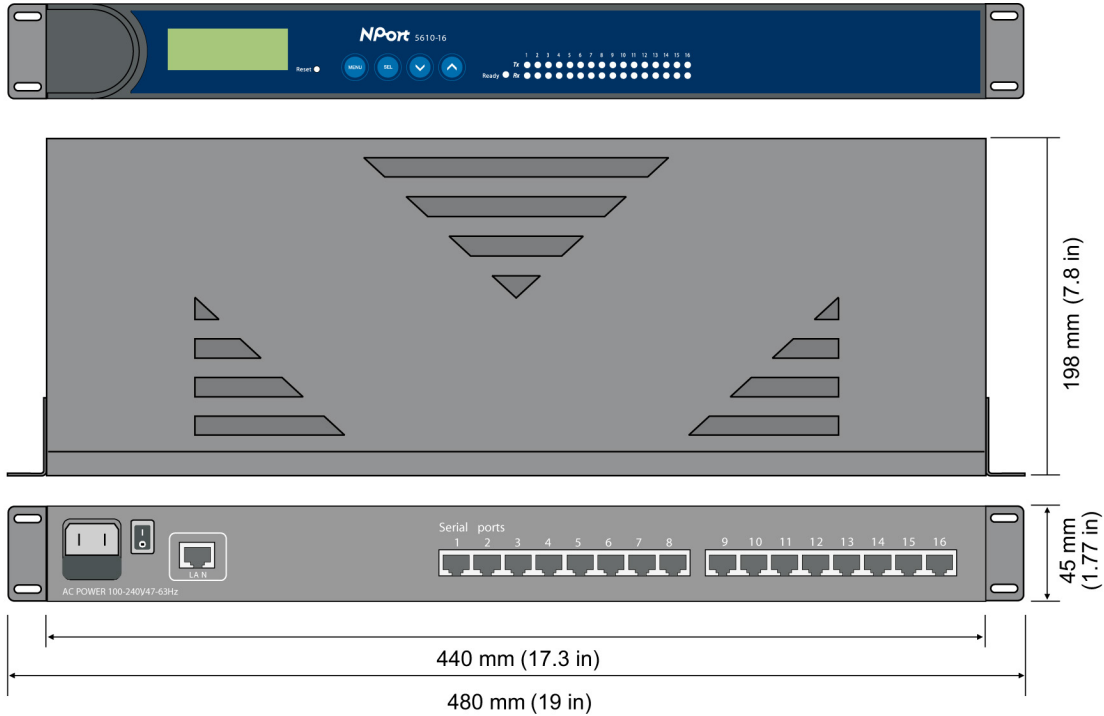
LED Indicators

System status,
Serial Tx/Rx

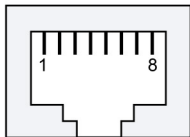
Connection Cable

RJ45 to DB9 Cable
(Optional Accessory)

Dimensions

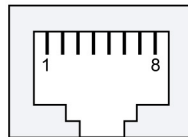


RJ45 RS-232 port



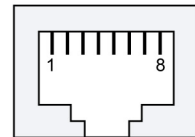
PIN	RS-232
1	DSR (in)
2	RTS (out)
3	GND
4	TxD (out)
5	RxD (in)
6	DCD (in)
7	CTS (in)
8	DTR (out)

RJ45 RS-422/485 port



PIN	RS-422/485 (4W)	RS-485 (2W)
1	---	---
2	TxD+	---
3	GND	GND
4	TxD-	---
5	RxD+	Data+
6	RxD-	Data-
7	---	---
8	---	---

RJ45 RS-232/422/485 port



PIN	RS-232	RS-422/485 (4W)	RS-485 (2W)
1	DSR (in)	---	---
2	RTS (out)	TxD+	---
3	GND	GND	GND
4	TxD (out)	TxD-	---
5	RxD (in)	RxD+	Data+
6	DCD (in)	RxD-	Data-
7	CTS (in)	---	---
8	DTR (out)	---	---

Specifications

LAN

Ethernet: 10/100 Mbps, RJ45, Auto MDI/MDIX

Protection: Built-in 1.5 KV magnetic isolation

Serial

NPort 5610

Interface: RS-232, 8-pin RJ45

Signals: TxD, RxD, RTS, CTS, DTR, DSR, GND, DCD

NPort 5630

Interface: RS-422/485, 8-pin RJ45

Signals:

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

RS-485 (2-wire): Data+, Data-, GND

RS-485 (4-wire): Tx+, Tx-, Rx+, Rx-, GND

RS-485 Data Direction Control:

Patented Automatic Data Direction Control (ADDC™)

NPort 5650

Interface: RS-232/422/485, , 8-pin RJ45

Signals:

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

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

RS-485 (2-wire): Data+, Data-, GND

RS-485 (4-wire): Tx+, Tx-, Rx+, Rx-, GND

RS-485 Data Direction Control:

Patented Automatic Data Direction Control (ADDC™)

Serial line protection: 15 KV ESD for all signals

Power Line protection: 1 KV Burst (EFT), EN61000-4-4
0.5 KV Surge, EN61000-4-5

Optical Fiber:

Distance:

Multi mode: 0 to 2 km, 1310 nm (62.5/125 μm, 500 MHz*km)

Single mode: 0 to 40 km, 1310 nm (9/125 μm, 3.5 PS/(nm*km))

Min. TX Output:

Multi mode: -20 dBm

Single mode: 0 to 40 km, -20 dBm

Max. TX Output:

Multi mode: -14 dBm

Single mode: 0 to 40 km, 0 dBm

Sensitivity: -36 to -32 dBm (Single), -34 to -30 dBm (Multi)

Built-in HMI LCM display with four push buttons

Built-in Buzzer

Built-in Real Time Clock

Built-in Watch Dog Timer

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data bits: 5, 6, 7, 8

Stop bits: 1, 1.5, 2

Flow control: RTS/CTS, DTR/DSR (NPort 5610 only), XON/XOFF

Speed: 50 bps to 921.6 Kbps Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP, SNTIP

Utilities: NPort Administration Suite for Windows 95/98/ME/NT/2000/XP/2003

OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64 COM driver, Linux real TTY driver, SCO Unix, SCO OpenServer 5, UnixWare 7, UnixWare 2.1.x, SVR4.2

Configuration: Web/Telnet console, or Windows utility

Power Requirements

Power Input: 100 to 240 VAC, 47 to 63 Hz, or
12 to 48 VDC

Power Consumption:

5610-16: 200 mA for 100V, 145 mA for 240V

5610-16-48V: 215 mA (at 48V max.)

5630-16: 212 mA for 100V, 130 mA for 240V

5630-16 to 48V: 215 mA (at 48V max.)

Mechanical Specifications

Material: SECC sheet metal (1 mm)

Environmental

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

Storage Temperature: -20 to 75°C (-4 to 167°F), 5 to 95% RH

Regulatory Approvals

EMC:

CE: EN55022 Class A/EN 55024

IEC 61000-4-12 (for NPort 5610-16, NPort 5610-8-48)

FCC: FCC Part 15 Subpart B Class A

Safety:

UL: UL60950-1

TÜV: EN60950-1

Warranty: 5 years

Ordering Information

VTC2166900: 8-Port RS-232 Serial Device Server, 100 to 240 VAC power input