

NPS/1000 SERIES

Network Peripheral Servers

- Small Footprint Network Peripheral Server
- Embedded or Standalone
- Connects any Serial Device to the Network



Systech Corporation designs, develops and manufactures families of network servers that connect serial devices to an Ethernet network or to the Internet. The NPS/1000 Series may be purchased in either a standalone (NPS/1100) or embedded (NPS/1000) configuration.

The four NPS/1100 models are standalone servers that are characterized by high reliability, superior software functionality and simplified remote installations. They offer unique functionality for users with specialized needs. Features enable users to manage, control, program, and share access to a peripheral device over the LAN or Internet using standard protocols.

The two NPS/1000 embedded models provide a quick and economical path for any OEM or Integrator to network enable any product with a serial interface. These cards offer the same high MTBF, enhanced user interface and simplified installation that are found in Systech's standalone peripheral servers.

- **Web-Browser Interface:** Easily configure unit, either locally or remotely.
- **Bundled with NativeCOM™ software:** Address a LAN-attached peripheral or device as if it were connected to a local Windows COM port.
- **Remote Configuration and Management:** Change parameters; diagnose peripheral problems over the Internet.
- **Embedded or Standalone:** Available as a board that can be integrated into your peripheral or as a standalone product with an external power supply.
- **Status LEDs:** Analyze real-time information on the status of the serial port and the network interface.
- **Assign an IP Address to a Serial Device:** Communicate with the device over the LAN or Internet.
- **Communicate Over the LAN:** Share access to expensive peripherals; avoid long, unreliable serial connections for devices that are far from your PC or server.

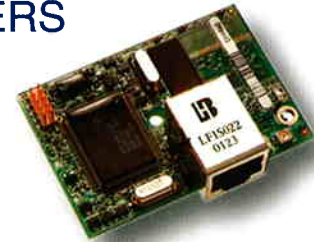


SYSTECH INTEGRATED COMMUNICATION SERVERS

The NPS/1000 Series of Embedded Network Servers enables an OEM or Integrator to add Ethernet connectivity to any serial-based device or peripheral with a minimal investment of time or money. These models are integrated into the OEM's product through a standard TTL interface that supports TxD, RxD and modem signals. The embedded server operates on 5 volts (134mA).

The NPS/1100 series of standalone servers enables anyone to add Ethernet connectivity to any device and peripheral through an existing serial interface; no modifications are required to your devices or applications. These models connect to your device via DB-9 connectors compatible with those on the back of a standard PC. The unit is powered by an external power supply.

Both the NPS/1000 and NPS/1100 models use industry standard TCP/IP protocol to ensure open-systems connectivity and flexibility for your demanding applications. Units are bundled with Systech's industry-leading **NativeCOM** port redirection software, web browser interface, and remote diagnostics. **NativeCOM** simplifies installation and support, and makes any LAN-attached Systech serial port (whether local or remote) appear local to your application.



Model NPS-1001
Small footprint board with 1 serial port; TTL interface; Ethernet port
(NPS-1002: 2 serial port model)



Model NPS-1101
Stand alone unit with 1 RS-232 serial port; Ethernet Connection
(NPS-1102: 2 serial port model)

Model NPS-1181
Stand alone unit with 1 RS-422/485 serial port; Ethernet Connection
(NPS-1182: 2 serial port model)

Specifications

	NPS/1000 Models	NPS/1100 Models
Serial Interface	2mm header connector; Device interfaces to TTY signals (RxD, TxD, RTS, CTS, DCD, DTR, DSR, RI); Status lines are available for unit, serial and Ethernet	DB9 Connector; The NPS/1101 and NPS/1102 support all TTY signals (RxD, TxD, RTS, CTS, DCD, DTR, DSR, RI); The NPS/1181 and NPS/1182 support TxD and RxD
Power Requirements	4.75 to 5.25 VDC, 134 mA@5VDC	External 110/220V; Worldwide; Over current protection
Physical Dimensions	w 1.6" x l 2.3" x h 0.75"	w 3.25" x l 4.37" x h 1.5"
Temperature/Humidity	Operating temp -40° to 70° C Humidity range 5% to 95% non condensing	Operating temp 0° to 60° C Humidity range 5% to 95% non condensing
LAN Interface	RJ45 (10 Base-T), 10Mbit, Ethernet 802.3; TCP protocol	RJ45 (10 Base-T), 10Mbit, Ethernet 802.3; TCP protocol
Host Communications	10 Base-T, 10Mbit, Ethernet 802.3	10 Base-T, 10Mbit, Ethernet 802.3
Protocols Supported	Raw TCP, NativeCOM port redirector, Telnet, Rtelnet, LPD	Raw TCP, NativeCOM port redirector, Telnet, Rtelnet, LPD
Security	Password protected configuration	Password protected configuration
Management and Diagnostics	Web-based interface, Remote/local diagnostics (to pin level)	Web-based interface, Remote/local diagnostics (to pin level)
Warranty	Systech Provides a 5 year warranty	Systech Provides a 5 year warranty

NativeCOM™ is a trademark of Systech Corporation

Reliability

To ensure data reliability and data protection, NativeCOM software automatically recovers on power loss. Software and configuration settings are saved in flash memory. Surge protection is provided on both the serial and Ethernet ports.



Headquarters

11021 Via Frontera • San Diego, CA 92127

TEL: 800-205-0610

FAX: 800-205-0611

TEL: 858-674-6500

FAX: 858-613-2400

WWW.SYSTECH.COM