



Systemtech

NDS/1000 Series Network Device Servers

Serial to IP Network Device Servers for Small Footprint Environment Requirements

Introducing the perfect solution for network enabling any product or peripheral with a serial interface in system environments where an embedded or very small footprint standalone solution is an absolute must.

Systemtech NDS/1000 Network Device Servers are targeted at users who need to manage, control and share access with one or two serial peripheral devices over a LAN or the Internet using standard protocols.

By using our NDS/1000 serial-to-IP solutions for LAN-attached serial port expansion and remote monitoring, previous investments in serial based peripherals and devices may be maintained.

Whatever your specialized need, the NDS/1000 uses industry standard TCP/IP and telnet protocols to ensure open-systems connectivity and flexibility for your demanding applications... *all the functionality you need in a very small footprint.*

Systemtech device servers are the clear choice of leading OEMs and integrators for a broad range of serial-to-IP applications. So contact your favorite Systemtech reseller today, and accelerate your company's transition to IP-based communications!



Systemtech NDS/1000 network device servers provide LAN-attached serial port expansion, remote monitoring and IP routing. For developers and OEMs with unique protocol conversion, monitoring and routing needs, Systemtech's Developer's API is available to create custom added-value.

❖ **Embedded and Standalone Product Models**

- **LAN-Attached Serial Ports**
- **Remote Monitoring**
- **IP Routing**

❖ **Electrical Interfaces (all models)**

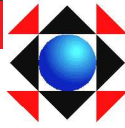
- **RS232 or 422/485**

❖ **Physical Interfaces**

- **Standalone – DB9, RJ45**
- **Embedded - TTL**

❖ **NativeCOM Port Redirection Software for Windows**





Systemtech *NDS/1000 Series*

Network Device Servers

Technical Specifications

All NDS/1000 Product Models

IP Protocol Support

IP HTTP Telnet
TCP DHCP/BootP rTelnet

Remote Management & Diagnostics

Web-Browser Remote Interface
Field Upgradeable Flash
Remote & Local Diagnostics
Pin-level Diagnostics & Remote Trace

Security & Encryption

SSL (optional)

Hardware Interfaces

10 Base-T or 10/100 Base-TX
4 Mbytes in-circuit boot flash & program memory
16Mbytes SDRAM

Packaging and Environment

CD-ROM configuration and documentation
ESD Protection
Operating Temp 0 to 50 degrees C
Storage Temp -10 to 70 degrees C
Humidity 10% to 90% non-condensing

Product Model	Serial Ports			Ethernet I/F	Program-mable	
	No. of Ports	Speed (bps)	Electrical I/F			
Standalone NDS/1000 Models						
NDS/1111	1	115.2	232	DB-9	10 Base-T	No
NDS/1141	1	230.4	232	DB-9	10/100 Base-TX	Yes
NDS/1181	1	115.2	485/422	DB-9	10 Base-T	No
* Status LEDs for port. Dimensions: 3.9 x 2.5 x 1.2 inches (100 x 63 x 30 mm).						
* External 110 to 240 VAC power supply; provides +5v DC to NDS.						
Embedded NDS/1000 Models						
NDS/1101	1	115.2	232 or 485/422	TTL	10 Base-T	No
NDS/1131	1	230.4	232 or 485/422	TTL	10/100 Base-TX	Yes
NDS/1102	2	115.2	232 or 485/422	TTL	10 Base-T	No
NDS/1132	2	230.4	232 or 485/422	TTL	10/100 Base-TX	Yes
* Powered by host (requires 425mA at 5v; optional 645mA at 3.3v configurations available.)						
* Dimensions: 2.3 x 2.5 x .83 inches (58 x 64 x 21 mm).						
* Host device connectors are two 26-pin, 2mm connectors						



Systemtech Standalone NDS/1000 Network Device Servers



Systemtech Embedded NDS/1000 Network Device Servers

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