



Systemch

NDS/5000 Series Network Device Servers

Serial to IP Network Device Servers for LAN-attached Serial Port Expansion

Systemch designs, develops and manufactures families of network servers that connect serial devices to 10/100 Mbit Ethernet networks or to the Internet. The NDS/5000 family is characterized by high reliability, superior software functionality, expanded hardware interfaces and easy remote installation.

Systemch NDS/5000 Network Device Servers offer unique functionality for users with needs to manage, control, program and share access serial peripheral devices and multi-site networks over the Internet or intranet using industry standard protocols.

By using our NDS/5000 serial-to-IP solutions for LAN-attached serial port expansion and remote monitoring, existing investments in serial based peripherals and devices can be maintained.

Whatever your specialized need, the NDS/5000 family uses industry standard TCP/IP and telnet protocols to ensure open-systems connectivity. Each RJ-45 serial port is software selectable to RS-232, RS-422 or RS485 with no external cabling...*saving the cost and complexity of some competitive solutions that offer only a single physical interface.*

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



Systemch NDS/5000 network device servers provide LAN-attached serial port expansion, remote configuration and management, and IP routing. For developers and OEMs with unique protocol conversion, monitoring and routing needs, Systemch's Developer's API is available to create custom added-value.

8 and 16 Port Product Models

- **LAN-Attached Serial Port Expansion**
- **Built-in 3-Port Ethernet Switch**
- **Remote Monitoring**
- **IP Routing**

Electrical Interfaces (all models)

- **RS232 or 422/485**
- **Software Selectable**

RJ-45 Physical Interface

Bundled Software

- **NativeCOM Port Redirection for Windows**
- **Remote Device Monitoring**

RoHS Compliant





Systech *NDS/5000 Series*

Network Device Servers

Technical Specifications

IP Protocol Support

IP, TCP/IP, HTTP, Telnet, rTelnet, DHCP/BootP, LPD, SLIP, PPP, Rlogin, Dial On-Demand, Network Address Translation

Security & Encryption

CHAP PAP Radius
Password Protected Configuration
SSL (optional)

Remote Management & Diagnostics

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

Hardware Interfaces

Ethernet 10 Base-T or 10/100 Base-TX
4 Mbytes in-circuit boot flash & program memory
16Mbytes SDRAM
External 110 to 240 VAC power supply; provides $\pm 5v$ DC to NDS and over current protection
Status LED indicators for each port

Packaging and Environment

Dimensions: 12.0 x 5.6 x 1.9 inches (305 x 143 x 48 mm)
CD-ROM configuration and documentation
ESD Protection; surge protection on each port
Operating Temp 0 to 50 degrees C
Storage Temp -10 to 70 degrees C
Humidity 10% to 90% non-condensing
5-Year Warranty



NDS/5008

8 RJ-45 serial ports
RS-232/422/485, software selectable
Speed up to 230.4k baud
Ethernet connection and built-in 4-Port switch



NDS/5016

16 RJ-45 serial ports
RS-232/422/485, software selectable
Speed up to 230.4k baud
Ethernet connection and built-in 3-Port switch

Also available in 19" rack mountable metal enclosure

NDS-5008RM – 8-Port
NDS-5016RM – 16-Port

Contact Systech Sales:

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