

Systech

iNS/3000 and ixNS/3000 Series Network Servers

Serial to IP Network Servers for Industrial Environment Networks

Systech designs, develops and manufactures families of distributed network servers that connect serial devices and non-IP based communication networks to 10/100 Mbit Ethernet networks and other high speed, IP-based networks.

The *iNS/3000* and *ixNS/3000* series is characterized by high reliability for a rugged factory or industrial environment, superior hardware and software functionality, software selectable hardware interfaces and easy installation.

Systech *iNS/3000* and *ixNS/3000* Network Servers are targeted at automation and networking solutions in the factory, and similar harsh industrial operating environments, where the need is to move to industrial Ethernet. Current simple connectivity solutions in these environments lack the speed and flexibility to enable:

- ▶ Integration with office, business and factory automation systems, and
- ▶ Access, monitoring and/or management of the myriad of diverse devices on the factory floor, or dispersed over a wide area (e.g. pipelines, solar system installations).

With a ruggedized metal enclosure, choice of mounting and power options (DC as well as AC), optional serial port isolation, and industry standard TCP/IP to ensure open-systems connectivity, the *iNS/3000* and *ixNS/3000* Network Servers are ideal solutions for maintaining existing automation investments in serial based equipment, peripherals and devices.

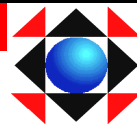
Contact your favorite supplier today, and accelerate your company's transition to Ethernet throughout your corporate network...*shop floor to boardroom.*



Systech iNS/3000 and ixNS/3000 series network servers enable IP communications for factory, rugged industrial and harsh operating environments. For developers and OEMs with unique protocol conversion, monitoring and routing needs, a Systech Developer's API is available to create custom added-value.

- ❖ **1, 2 and 4 Serial Port Models**
 - **DB9 Connector and**
 - **Removable Terminal Block per Port**
- ❖ **Multiple Ethernet Port Models**
 - **Single Port or 4-Port Switch**
- ❖ **Bundled Software**
 - **NativeCOM Port Redirection for Windows**
 - **Modbus/TCP to Modbus/RTU**
 - **Remote Device Monitoring**
- ❖ **No Changes to Applications**
- ❖ **Ruggedized Metal Enclosure**
 - **IP40 Rating, two sizes**
 - **Multiple Mounting/Connection Options**
- ❖ **Serial Port Isolation Protection**





Systemtech *iNS/3000 and ixNS/3000 Series Network Servers*

Technical Specifications

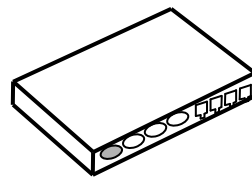
All *iNS/3000* and *ixNS/3000* Series Products

Protocol Support	Software, Security & Encryption
IPV4/IPV6 - TCP/IP, HTTP, Telnet, rTelnet, DHCP/BootP, LPD, Modbus	Software – NativeCOM, Modbus Gateway, Remote Device Management Password protected web browser interface SSL
Remote Management & Diagnostics	Hardware Interfaces
Field Upgradeable Flash Remote & Local Diagnostics Pin-level Diagnostics and Remote Trace Web-Browser Remote Interface	Ethernet - single 10/100 Base-TX port, or quad 10/100 Base-TX Ethernet switch; auto MDI/MDIX Serial - DB9, RS232/422/485 software selectable; Removable Screw Terminal Block per port; speed up to 230.4k baud.
Environmental	Physical
Industrial Temperature Range –40 to 85 degrees C IP40 Rating Port Protection <ul style="list-style-type: none"> ▶ 1.5KV isolation on all Ethernet ports ▶ 3KV isolation on all serial ports (<i>ixNS</i> models only) ▶ 15KV ESD surge protection RoHS compliant Certifications – FCC, CSA, CE	Enclosure (all models – Steel (18 gauge, .0478", 1.25mm), powder coated Enclosure Size 1-2 port (6.44" x 6.12" x 1.75"), (164mm x 155mm x 44mm) 4 port (11.61" x 8.32" x 1.75"), (295mm x 211mm x 44mm) Mounting Options: Shelf Mount Rack Mount Kit (optional for 4 port enclosure only - for standard 19" equipment rack) Din Rail Kit (optional – for standard DIN Rail installation)

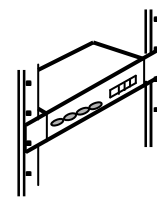
iNS/3000 and *ixNS/3000* Series Product Models

Products without Serial Port Isolation		
Model	Ethernet/DB9 Serial Ports	Enclosure Size
<i>iNS/3101</i>	1/1	1-2 port
<i>iNS/3102</i>	1/2	1-2 port
<i>iNS/3104</i>	1/4	4 port
<i>iNS/3202</i>	4 (switch)/2	4 port
<i>iNS/3204</i>	4 (switch)/4	4 port
Products with Serial Port Isolation		
<i>ixNS/3101</i>	1/1	1-2 port
<i>ixNS/3102</i>	1/2	1-2 port
<i>ixNS/3104</i>	1/4	4 port
<i>ixNS/3202</i>	4 (switch)/2	4 port
<i>ixNS/3204</i>	4 (switch)/4	4 port
Isolated Serial I/O - 3KV magnetic isolation		

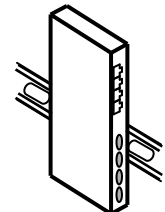
Power Supply	Input Power Options
Systemtech Supplied	Internal Universal AC Power Supply (4 port Models Only , IEC modular power cord, 85-264 VAC, 48-63Hz) External Universal AC Adapter (CEC Compliant, 2.1mm locking connector, 90-264 VAC, 48-63 Hz)
Customer Supplied	Connect to Screw Terminal Connectors or 2.1mm locking connector (5-59VDC, minimum of 10 watts)
Note: Power connectors on side panel; accommodates vertical or horizontal DIN mounting, shelf or rack mounting	



Shelf Mount



Rack Mount Kit



DIN Rail Kit

Contact Systemtech Sales: 1-800-800-8970 www.systemtech.com sales@systemtech.com