



Systech Modbus Gateway

Enabling Serial-to-IP Connections for Modbus TCP/IP Clients and Modbus RTU Devices

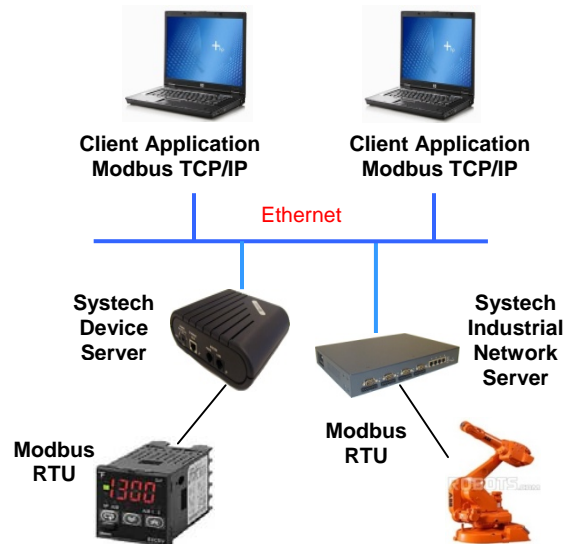
Industry-leading Network Software enables network communications for serial-based Modbus applications using Systech network device server solutions.

Systech Modbus Gateway is designed to enable data transmission for customers operating legacy Modbus RTU devices using Modbus TCP/IP applications in industrial and commercial environments.

Systech Modbus Gateway accepts connections from Modbus TCP/IP clients and converts them to Modbus RTU to access serial devices on Systech Network Device Servers.

Systech Modbus Gateway integrates into present framework using existing legacy serial based devices and maintaining previous investments. The Gateway uses the standard Modbus TCP/IP port and Modbus RTU devices do not need to be modified to work with the Gateway.

Systech Modbus Gateway allows multiple Modbus TCP/IP clients to simultaneously access shared Modbus RTU devices and provides a simple solution to monitor and control mission critical data.



 **Connects Modbus TCP/IP Clients to Modbus RTU Devices**

 **Supports up to 16 Simultaneous Client Connections**

 **Supports Modbus RTU on Multiple Serial Ports on Port Server**

 **Uses Standard Modbus TCP/IP And Modbus RTU Interfaces**

Systech Modbus Gateway software is bundled and licensed at no additional charge with Systech's Serial-to-IP network device servers and gateways.





Systech Modbus Gateway

Technical Specifications

With the Modbus Gateway software, the Systech NDS/5000 and NDS/6000 network device servers, and its iNS/3000 and ixNS/3000 industrial network servers provide support for Modbus TCP/IP to Modbus RTU translation allowing Modbus TCP/IP applications to transparently exchange data over the network with legacy Modbus RTU devices.

HTML User Configuration

Allows the user to associate Modbus TCP/IP addresses with a particular serial port. The Modbus Gateway Software includes a Permit List (PL) that controls, by IP address, which clients may access the Modbus Gateway.

Modbus TCP Gateway Settings

Modbus TCP Port

TCP port for Modbus connections

Modbus TCP to Modbus RTU Translation

Serial Port	Min ID	Max ID	Offset
<input checked="" type="checkbox"/> Port1	<input type="text" value="1"/>	<input type="text" value="10"/>	<input type="text" value="0"/>
<input checked="" type="checkbox"/> Port2	<input type="text" value="11"/>	<input type="text" value="20"/>	<input type="text" value="0"/>
<input type="checkbox"/> Port3	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="checkbox"/> Port4	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Note: Modbus translation is disabled if no serial ports are selected.

Permit List

IP Address	Mask
<input type="text" value="172.16.2.4"/>	<input type="text" value="255.255.0.0"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

NOTE: You must [reboot](#) for these changes to take effect.



NDS/5000 Series
Network Device Servers
8 and 16 RJ-45 serial port models



NDS/6000 Series
Network Device Servers
2, 4 and 8 DB-9 serial port models



NDS/5016RM
Rackmount Network Device Server
16 RJ-45 Serial Ports Ethernet Switch



iNS/3000 & ixNS/3000 Series
Industrial Network Servers
1, 2 and 4 DB9 Serial Port models