Modbus Plus to Modbus TCP/IP Gateway
5303-MBP-MNET

The ProLinx Modbus Plus to Modbus TCP/IP Gateway creates a powerful connection between devices on a Modbus TCP/IP network and a Modbus Plus device. This stand-alone DIN-rail mounted protocol gateway provides one Modbus Plus configurable DB9F port and one Ethernet port.

The Modbus Plus protocol driver supports both Master and Slave implementations of the protocol on the DB9 Female Modbus Plus port. The Modbus Plus port is fully configurable.

The Modbus TCP/IP protocol driver can interface many different protocols into Schneider Electric Quantum processors as well other solutions supporting the protocol. The MNET driver supports Client and Server connections, and when coupled with the Web option provides a web/ftp interface as well.

Modbus Plus

The Modbus Plus protocol driver operates as a single peer-to-peer Modbus Plus Port with dual media-redundant connectors which are not configurable as separate ports.

### General Parameters

<table>
<thead>
<tr>
<th>Modbus Function Codes</th>
<th>3: Read Multiple Data Registers (MSTR 2)</th>
<th>16: Write Multiple Data Register (MSTR 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Global data read (32 words max.)</td>
<td>Global data write (32 words max.)</td>
</tr>
</tbody>
</table>

| Address Scope         | 1 to 64                                 |

<table>
<thead>
<tr>
<th>Modbus Plus Functioning as a Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command List</td>
</tr>
<tr>
<td>Polling of command list</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Modbus Plus Functioning as a Slave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Node address</td>
</tr>
</tbody>
</table>

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Modbus TCP/IP
The Modbus TCP/IP driver interfaces with a common internal database in the module. This permits the sharing of data between the Modbus TCP/IP and other networks and devices.

Modbus TCP/IP Server
General
Server supports up to 5 independent connections each to Modbus TCP/IP clients on Service Port 502 using the standard MBAP protocol, and Service Port 2000.

Configurable Parameters
Module IP Address
Modbus address offsetting

Modbus TCP/IP Client
General
Actively reads and writes data with Modbus TCP/IP compatible devices.
One client connection (up to 100 servers/devices with 100 commands)

Configurable parameters
Number of active commands, Min Command Delay, Response Timeout, Retry Count, Command Error Pointer

Command List
Up to 100 fully configurable commands on the Client port

General Specifications
The ProLinx Communication Modules provide connectivity for two or more dissimilar network types. The modules, encased in sturdy extruded aluminum, are stand-alone DIN-rail mounted protocol gateways, providing communication between many of the most widely used protocols in industrial automation today.

Hardware Specifications
<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>24 VDC nominal&lt;br&gt;18 to 36 VDC allowed&lt;br&gt;Positive, Negative, GND Terminals&lt;br&gt;2.5 mm screwdriver blade</td>
</tr>
<tr>
<td>Current Load</td>
<td>500 mA max@ 24 VDC</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>−20 to 50°C (−4 to 122°F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>−40 to 85°C (−40 to 185°F)</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>5 to 95% (non-condensing)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Standard: 5.20H x 2.07W x 4.52D in. (13.2cmH x 5.25cmW x 11.48cmD)</td>
</tr>
<tr>
<td>LED Indicators</td>
<td>Power and Module Status&lt;br&gt;Application Status&lt;br&gt;Serial Port Activity LED&lt;br&gt;Serial Activity and Error LED Status</td>
</tr>
</tbody>
</table>

ProSoft Configuration Builder
ProSoft Configuration Builder (PCB) provides a quick and easy way to manage module configuration files customized to meet your application needs. PCB is not only a powerful solution for new configuration files, but also allows you to import information from previously installed (known working) configurations to new projects.

Additional Products
ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Ordering Information
To order this product, please use the following:
5303-MBP-MNET Modbus Plus to Modbus TCP/IP Gateway

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

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