Make Serial Devices Ready to the Network

The Industrial Serial Server SE5002 is a 2-port gateway between Ethernet (TCP/IP) and serial signal communications. It allows almost any serial device to be connected to a new or existing Ethernet network.

By encapsulating serial data and transporting it over Ethernet, SE5002 offers full-duplex, bi-directional data transmission transparent between serial port and Ethernet network.

Easy to Use

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web browser, Serial Console, or other Windows utilities. Packed in a rugged metal housing for wall or DIN-Rail mount with 9~30VDC wide power input range, SE5002 is ideal for almost any industrial and manufacturing automation.

Atop Virtual COM software provides existing Windows based application to access serial device by mapping to remote serial server via Ethernet.

Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5002 is used as a field device to connect Ethernet through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.
# 2-Port Serial Server

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ethernet</strong></td>
<td></td>
</tr>
<tr>
<td>Compliance</td>
<td>IEEE802.3</td>
</tr>
<tr>
<td>Port</td>
<td>1-port</td>
</tr>
<tr>
<td>Transmission Rate</td>
<td>10/100Mbps Auto-detection</td>
</tr>
<tr>
<td>Connector</td>
<td>RJ-45</td>
</tr>
<tr>
<td>Auto MDI/MDI-X</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Link Mode</strong></td>
<td></td>
</tr>
<tr>
<td>TCP Server</td>
<td>Single connection or Virtual Com mode</td>
</tr>
<tr>
<td>TCP Client</td>
<td>Single destination</td>
</tr>
<tr>
<td>UDP</td>
<td>Up to 4 Ranges of IPs</td>
</tr>
<tr>
<td><strong>Serial</strong></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>RS-232/422/485 software selectable(SE5002)</td>
</tr>
<tr>
<td></td>
<td>RS-422/485 software selectable(SE5002-S55is)</td>
</tr>
<tr>
<td>Ports</td>
<td>2-port</td>
</tr>
<tr>
<td>Baud Rate</td>
<td>12000bps-230Kbps</td>
</tr>
<tr>
<td>Parity</td>
<td>None, Odd, Even, Mark, Space</td>
</tr>
<tr>
<td>Data Bits</td>
<td>7, 8</td>
</tr>
<tr>
<td>Stop Bits</td>
<td>1, 2</td>
</tr>
<tr>
<td>Flow Control</td>
<td>None, Software: Xon/Xoff, Hardware: RTS/CTS</td>
</tr>
<tr>
<td>Connector</td>
<td>9-pin D-Sub(SE5002) / 5-pin 3.81mm Terminal block(SE5002-S55is)</td>
</tr>
<tr>
<td>Protection</td>
<td>15KV ESD</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td></td>
</tr>
<tr>
<td>Input</td>
<td>DC 9 ~ 30V</td>
</tr>
<tr>
<td>Consumption</td>
<td>Max. 1.5W(SE5002) / Max. 3 W</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
</tr>
<tr>
<td>Operating</td>
<td>0°C ~ 60°C (32°F ~ 140°F)</td>
</tr>
<tr>
<td>Storage</td>
<td>-40°C ~ 85°C (-40°F ~ 185°F), 5 ~ 95%RH</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>75mm x 85mm x 28mm</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td></td>
</tr>
<tr>
<td>Configuration</td>
<td>Web Page / Telnet / Serial console / Windows utility</td>
</tr>
<tr>
<td>Virtual Com</td>
<td>Windows port redirection software</td>
</tr>
<tr>
<td><strong>Support Protocol</strong></td>
<td>ICMP, TCP(UDP) / IP, DHCP client, SNMP, SMTP, HTTP, Telnet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ordering Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1P1SE500200001G</td>
<td>2-port software selectable RS-232/422/485(D9) serial server without adapter</td>
</tr>
<tr>
<td>SE5002</td>
<td></td>
</tr>
<tr>
<td>1P1SE500200002G</td>
<td>2-port software selectable RS-485/422(TB Lockable) photo isolation serial server without adapter</td>
</tr>
<tr>
<td>SE5002-S55is</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Adapter</td>
<td></td>
</tr>
<tr>
<td>Lockable DC jack (5.5/2.1/9.5 mm) power adapter, 100~240VAC input, 1.25A @ 12 VDC output, US plug, LV6</td>
<td></td>
</tr>
<tr>
<td>UNE315-1212(EU-LDC) LV6 : 50500151120014G</td>
<td></td>
</tr>
<tr>
<td>Lockable DC jack (5.5/2.1/9.5 mm) power adapter, 100~240VAC input, 1.25A @ 12 VDC output, EU plug, LV6</td>
<td></td>
</tr>
</tbody>
</table>

For: SE5002-S55is (Y-Type) UN315-1212 (US-Y) : 50500151120003G |
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6 |
UNE315-1212 (EU-Y) : 50500151120013G |
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6 |