Universal Industrial Gateway
Communications Device

A single solution for connecting multiple devices, across multiple protocols. In systems where the installed base includes Industrial Ethernet and/or serial protocols, establishing communication across devices is critical and upgrading the equipment isn’t always feasible. The Universal Industrial Gateway is the most cost-effective way to move data between multiple PLCs and slave (server) devices, each with a different protocol, saving you time, money and the headache of configuring multiple gateway devices.

Easy Way to Gateway

- **Single solution** – Multiple protocols, multiple communication ports, one box
- **Configurable** – Transfer data to and from any port, in any combination
- **Multiple serial ports** – Maximum device connectivity
- **Cost effective** – The functionality of multiple gateways for the price of one
- **Intuitive navigation** – Consistent configuration for any protocol conversions
- **Context-sensitive Help** – Fully searchable with images and step-by-step instructions, only one click away
- **No software to install** – Browser-based configuration
- **No PLC programming** – Transfer data without editing PLC code
- **Field upgradable** – Ability to add protocols (via firmware upgrade)
## Ethernet Interface

<table>
<thead>
<tr>
<th>Protocols (Master only):</th>
<th>EtherNet/IP, EtherNet/IP-PCCC, ModbusTCP, S7comm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Ports:</td>
<td>1</td>
</tr>
<tr>
<td>Speed:</td>
<td>10/100 Mbps full-duplex</td>
</tr>
<tr>
<td>Connector:</td>
<td>8-pin RJ45</td>
</tr>
</tbody>
</table>

## Serial Interface

<table>
<thead>
<tr>
<th>Protocols (Master only):</th>
<th>Modbus RTU, Modbus ASCII, DF1-CIP, DF1-PCCC, PPI, DirectNET, CCM, HostLink</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Ports:</td>
<td>2-port or 4-port option</td>
</tr>
<tr>
<td>Serial Standards:</td>
<td>RS-232/485</td>
</tr>
<tr>
<td>Connectors:</td>
<td>8-pin RJ45</td>
</tr>
</tbody>
</table>

## Supported PLC Types

| Controllers:             | Rockwell Automation ControlLogix, CompactLogix, MicroLogix, Micro800, SLC 500, PLC-5 Schneider M340 & Quantum 140 Siemens S7-200/300/1200/1500, SIMATIC TI305 & TI405 Automation Direct DL05, DL06, DL205, DL305, DL405 GE Series Five & Series Six |

## Features/Configurable Parameters

<table>
<thead>
<tr>
<th>Tag Pairs</th>
<th>100 tag pairs/map (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tag Maps:</td>
<td>50 (max)</td>
</tr>
<tr>
<td>Data Types: (Protocol Dependent)</td>
<td>SINT, INT, REAL, BOOL, STRING, SHORT (SIGNED 16 BIT), USHORT (UN SIGNED 16 BIT), UINT (SIGNED 32 BIT), UDINT (UN SIGNED 32 BIT), ARRAY</td>
</tr>
<tr>
<td>Formatting:</td>
<td>Byte-Swap, Word-swap, Straight copy</td>
</tr>
</tbody>
</table>

## Electrical/Environmental

<table>
<thead>
<tr>
<th>Input/Voltage:</th>
<th>12-24 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Baud Rate:</td>
<td>115.2 kbps</td>
</tr>
<tr>
<td>Operating Temp:</td>
<td>0° to 55° C (32°F to 130°F)</td>
</tr>
<tr>
<td>Certifications:</td>
<td>RoHS-compliant, UL, cUL, CE; Class I, Div 2</td>
</tr>
</tbody>
</table>

## Enclosure

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th>5.40” x 1.88” x 3.88”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight:</td>
<td>12.80 oz.</td>
</tr>
<tr>
<td>Mounting:</td>
<td>DIN Rail mounting with latch</td>
</tr>
</tbody>
</table>

## Ordering Information

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Serial Ports</th>
<th>Ethernet Ports</th>
<th>Protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP-G-221-P1</td>
<td>2</td>
<td>1</td>
<td>EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DirectNET, CCM, HostLink</td>
</tr>
<tr>
<td>WP-G-241-P1</td>
<td>4</td>
<td>1</td>
<td>EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DirectNET, CCM, HostLink</td>
</tr>
<tr>
<td>WP-G-221-P2</td>
<td>2</td>
<td>1</td>
<td>EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DirectNET, CCM, HostLink</td>
</tr>
<tr>
<td>WP-G-241-P2</td>
<td>4</td>
<td>1</td>
<td>Upgrade a -P1 model to a -P2 set of protocols</td>
</tr>
<tr>
<td>WP-G-UPG-P2</td>
<td>-</td>
<td>-</td>
<td>Upgrade a -P1 model to a -P2 set of protocols</td>
</tr>
</tbody>
</table>