DeviceNet Slaves to EtherNet/IP

Connect DeviceNet Slaves to an EtherNet/IP Scanner

The 460ESDM allows you to connect up to 32 DeviceNet slaves to an EtherNet/IP scanner like a PLC or HMI. It's the perfect tool to get your legacy DeviceNet devices linked into your new EtherNet/IP-based control systems.

Best of all, the product is made in the USA, always in stock, and comes with 5-year warranty.

How do I use the 460ESDM-N34 in my application?

Up to 480 bytes of data can be mapped to and from your EtherNet/IP systems. You define what data points you will read and write from each DeviceNet slave and the gateway will automatically create a data mapping on to EtherNet/IP.

It's really that simple. Need to modify your data as it passes from one protocol to the other? No problem. Each data mapping you apply can be modified with up to three mathematic functions. Add 4 to a value, multiply by 4 and divide by 10 with ease.

Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product’s development, and support doesn’t require a ticket or 24-hour wait.

Try the RTA difference today! Call us at 800-249-1612 or check out our solutions at rtautomation.com

A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That’s how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience, all the better. Thirty years later, our mission remains the same: to move your data where you need it, when you need it and how you need it.
**EtherNet/IP Adapter FEATURES**

<table>
<thead>
<tr>
<th>Operation Mode</th>
<th>Class 1 I/O Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message Support</td>
<td>4</td>
</tr>
<tr>
<td>Data Types</td>
<td>BIT8,16 &amp; 32; INT8, 16, 32 &amp; 64; UINT8,16, 32 &amp; 64; Float &amp; Double</td>
</tr>
<tr>
<td>Maximum EtherNet/IP Scanner Devices</td>
<td>Up to 10 can listen, only 1 can write I/O</td>
</tr>
<tr>
<td>Maximum Data Supported</td>
<td>Up to 480 bytes in each direction</td>
</tr>
<tr>
<td>Maximum I/O Scan Rate</td>
<td>20 maec</td>
</tr>
</tbody>
</table>

**DeviceNet Master FEATURES**

<table>
<thead>
<tr>
<th>Operation Mode</th>
<th>UCMM Client, Group 2 Client, Group 2 only Client</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explicit Message Support</td>
<td>Yes, only for allocation process</td>
</tr>
<tr>
<td>Implicit Message Support</td>
<td>Polled only, Assembly Object</td>
</tr>
<tr>
<td>Maximum DeviceNet Slave Devices</td>
<td>32</td>
</tr>
<tr>
<td>Data per Slave</td>
<td>0-400 Bytes in each direction</td>
</tr>
<tr>
<td>Supported Data Types</td>
<td>BIT8, BIT16, BIT32, INT8, INT16, INT32, INT64, UINT8, UINT16, UINT32, UINT64, Float, Double</td>
</tr>
</tbody>
</table>

**INCLUDED WITH GATEWAY**

| 3 power cable with flying leads | 5-year hardware warranty |
| iPSsetup software – automatically locates RTA gateway on the network | Unlimited firmware feature upgrades for life |
| CAT5 crossover cable for direct connection to PC during programming | Complete, unlimited access to our industry leading support staff |
| Manual                      |                      |

**ELECTRICAL / ENVIRONMENTAL**

| DC Input Voltage                | 8 VDC @ 230mA to 28 VDC @ 80 mA |
| Maximum Baud Rate               | 115K baud                        |
| Operating Temperature           | -40 C to 85 C                    |
| Certification                   | RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2 |

**ENCLOSURE / HARDWARE**

| Size                        | 4.2” x 3.25” x 1” |
| Weight                     | 7 oz               |
| Enclosure Type             | Anodized Aluminum  |
| Mounting                   | Din rail or panel mount |
| LEDs                       | Ethernet link/data LED, Ethernet speed LED, power LED, & 2 general purpose LEDs on side |

**GATEWAY FEATURES & FUNCTIONS**

| Alarming                    | Set <, <=, >, >=, =, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent. |
| Gateway Security            | You can configure up to 9 different users access to diagnostic and configuration screens. |
| Translation Table           | Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway. |
| Status and Counters         | Protocol specific status, counters, and error messages are accessible within the gateway’s diagnostics page. They can also be delivered to a connected device. |
| Diagnostic Logging Page     | Allows users to see and log start up sequences, protocol specific messages & error messages. |

**NOT EXACTLY WHAT YOU WERE LOOKING FOR?**
Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at [www.rtautomation.com/products](http://www.rtautomation.com/products). We also offer customizations for unique applications.

**CATALOG #**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>460ESDM-N34</td>
<td>Connects an EtherNet/IP scanner with as many as 32 DeviceNet slaves</td>
</tr>
</tbody>
</table>

Made in the U.S.A. Always In Stock Ready to Ship Expert Support

Real Time Automation, Inc. solutions@rtautomation.com 1-800-249-1612