



# REAL TIME AUTOMATION

## DeviceNet to EtherNet/IP Gateway

### FEATURES

- Organize Your DeviceNet data on EtherNet/IP for Maximum Efficiency
- Create Up To 450 byte I/O Data Transfers using your DeviceNet I/O data
- Fill the 63 DeviceNet Slots With You Slave I/O Data In The Order That Matches What You Want In Your PLC Data Table
- Read and Write any DeviceNet Attribute from your EtherNet/IP Client
- Control how the DeviceNet registers are mapped into your EtherNet/IP Client with the easy-to-use web server or from EtherNet/IP
- Simple, Browser-Based Configuration
- Specially Designed for DeviceNet and EtherNet/IP Communications – Custom Versions available on Request



*Make Your Entire DeviceNet Slave Network I/O Data on EtherNet/IP*

### The Fastest Way to Move DeviceNet Data to EtherNet/IP

If you need to move DeviceNet data to your EtherNet/IP Clients you now have an exceptional tool – a tool designed for this task and this task only. With support for up to 63 DeviceNet Slave Nodes, easy web server configuration and Explicit and Implicit (I/O) EtherNet/IP communications you can easily read and write to all your DeviceNet Slave devices from any EtherNet/IP Client at less than half the investment of rack-based solutions.

### Not Your Usual Gateway

You've probably tried the expensive, complex solutions from some of the big, well-known companies. Probably tried them and either fought through the 100 page manuals or abandoned the effort in disgust. If that's been your experience with Ethernet/DeviceNet gateways you are going to love the 455ED. First it will scan up to 63 DeviceNet Slave devices. You assign a DeviceNet address, and set the length of the input and output assemblies and you're done. Mapping to your EtherNet/IP client is based on how the order that you assign your DeviceNet slaves in the DeviceNet Master. Want the 10 words from DeviceNet Address 99 as the first 10 words of your EtherNet/IP Input stream? Just assign DeviceNet Address 99 to Device Slot 1. As you fill your 63 Device Slots you build the input and out assemblies that your EtherNet/IP Client will see in the PLC. Isn't this a lot simpler than the typical DeviceNet Scanner setup?

### ***A Gateway, A Philosophy, My Company,***

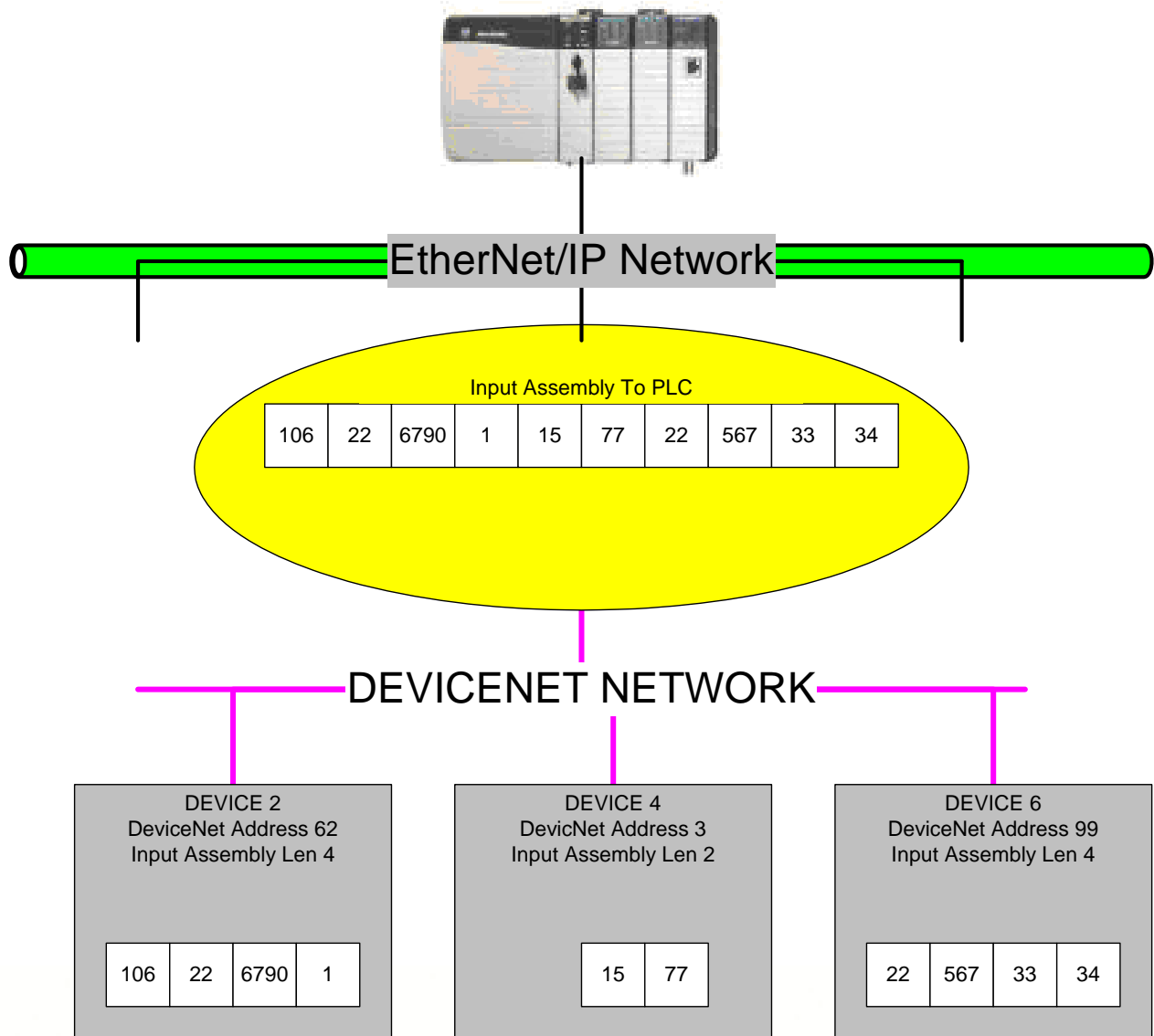
*"I remember my days as an engineer in the factory. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way.*

*That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal everyday"*

*John Rinaldi*

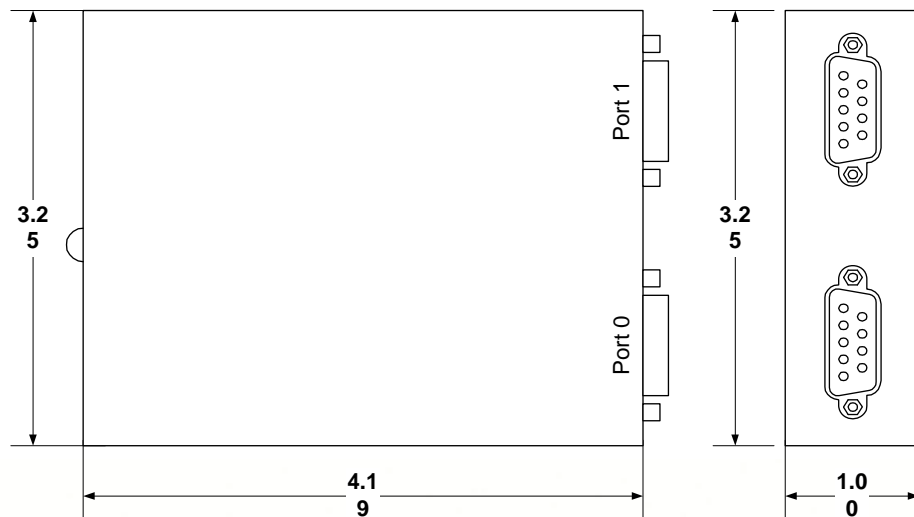


Registers from three DeviceNet devices at DeviceNet Addresses 62, 3 and 99 are read and the resulting data forms the EtherNet/IP Input Assembly to the EtherNet/IP Client. Data is written to DeviceNet devices in exactly the same way. An output assembly is distributed to DeviceNet devices based on the number of registers configured for each DeviceNet device.



Ethernet Hardware	Environmental	CAN Communications	Physical
32-Bit Motorola Coldfire	0 – 70 Degrees C	One Mini Din Connector	Dimensions: 4.2" x 3"
10/100 BaseT	5 to 90% Relative Humidity	MACID Settable via Web Server or Network	Weight: 5oz
RJ45 connector		100K 250K 500K Operation	
	Power Requirements		LED's
Mounting Options	12VDC @ 350ma	Network Interfaces	Link/Speed LEDS
Desk Top	9-30VDC	Ethernet TCP/IP	Data LED
Din Rail	Network Powered	DeviceNet	
Panel			
	Configuration		
	Browser Interface		

## DIMENSIONS



ORDERING INFORMATION		
455ED	EtherNet/IP DeviceNet Gateway	Desk Mounted Gateway
455ED-P	EtherNet/IP DeviceNet Gateway	Panel Mounted Gateway
455ED-D	EtherNet/IP DeviceNet Gateway	Din Rail Mounted Gateway

Orders can be placed 24 hours per day. You can place your order by faxing 414-453-5125 or emailing [orders@rtaautomation.com](mailto:orders@rtaautomation.com).

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