Upon receipt of the product and prior to initial operation, read these instructions thoroughly and retain for future reference.

MOTOMAN INSTRUCTIONS

MOTOMAN ETHERNET/IP BOARD INSTRUCTIONS
DX100 INSTRUCTIONS
DX100 OPERATOR'S MANUAL
DX100 MAINTENANCE MANUAL

The DX100 operator’s manual above corresponds to specific usage.
Be sure to use the appropriate manual.
Introduction

This addendum supplies an example of a robot as an adapter to the CompactLogix or ControlLogix PLCs which is the scanner in this configuration. The robot controller is the adapter in this EtherNet/IP network.

Hardware In Use:

- 151164-3 - PCI EtherNet/IP Card

DX100 Software:

- DS2.10 and above
Configuration Example - Robot as Adapter to CompactLogix or ControlLogix PLC (Scanner)

PLC Configuration with RSLogix 5000:

1. Add Robot to the Ethernet network through the project explorer on the left hand side:

2. Select the [ETHERNET-MODULE] from the module list.
3. Setup the modules properties to match the properties setup in the robot controller.

**MANDATORY**

General items related to safety are listed in Section 2 of the DX100 Controller Manual. To ensure correct and safe operation, carefully read the DX100 Controller Manual before reading this Addendum.

*Notice data type selected was [SINT]*
4. If using a RSLogix version 18.00.00 or greater, uncheck the setting [Use Unicast Connection over EtherNet/IP]. This setting is not available in earlier versions of RSLogix and can be ignored.
DX100 Configuration in Maintenance Mode

1. Login to {MANAGEMENT MODE} or higher on the SECURITY screen.

2. Select EtherNet/IP (PCU-ETHIO) card on the OPTION BOARD STANDARD screen.
Configuration Example - Robot as Adapter to CompactLogix or ControlLogix PLC (Scanner)  
DX100 Configuration in Maintenance Mode

3. Select the “first” [DETAIL] option on the PCU-ETHIO screen.

4. On the PCU-ETHIO screen select [DETAIL] for the {ETHERNET} to navigate to the NETWORK screen to change the IP address of this card.
5. Continue digging into the menu until the **NETWORK** screen appears and then select [DETAIL] for {Host Setup}.

6. Change the **IP ADDRESS** to match the {IP ADDRESS} specified in step 3 of the "PLC Configuration with RSLogix 5000:"
7. Exit the previous screens until reaching the **PCU-ETHIO** screen. Now select the [DETAIL] settings under {ADAPTER} to finalize the communication settings.

8. Change the {ADAPTER} to [ENABLE] and match the [INPUT SIZE] and [OUTPUT SIZE] to the settings in step 3 of the “PLC Configuration with RSLogix 5000:”

- The Input Instance # from the PLC = Output Instance # from the DX100.
- The Output Instance # from the PLC = Input Instance # from the DX100

10. Reboot the DX100 and communication should be established.
Specifications are subject to change without notice for ongoing product modifications and improvements.