

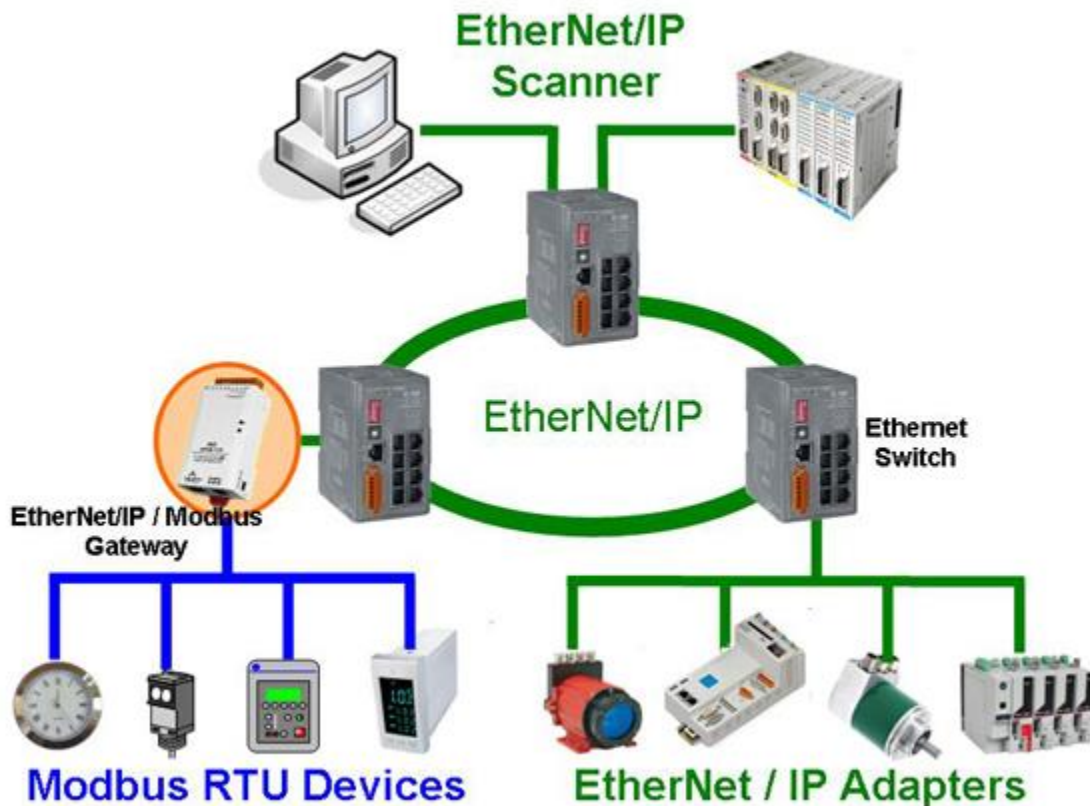


### Ethernet IP remote IO

Ethernet IP is a popular Industrial Fieldbus protocol used by many PLC and SCADA platforms. Rockwell/Allen Bradley and Omron are 2 manufacturers, among many, that use this protocol to communicate to peripheral devices like remote IO, HMI and SCADA software.

Ethernet IP uses standard Ethernet networking to join these peripheral connections. This makes it both logical and cost effective to communicate to other devices through an Ethernet network.

Because Ethernet is a relatively inexpensive and fast way to connect devices, adding remote IO to an Ethernet network with a single Ethernet cable is cheaper than wiring many devices back to the original PLC. By adding remote IO modules near equipment, it can save wiring costs and make troubleshooting easier.



ICP DAS's [EIP-2000 series remote IO modules](#) can easily connect to an existing Allen Bradley Control Logix platform PLC by following the steps in the FAQ listed below on page 57.

[https://www.icpdas-usa.com/documents/eip-2000\\_user\\_manual\\_v410.pdf](https://www.icpdas-usa.com/documents/eip-2000_user_manual_v410.pdf)



Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

Currently, there are 7 IO combinations to choose from:

Model	Description	Input Channel	Input Type	Output Channel	Output Type
<b>EIP-2017</b>	Isolated 8-ch DIFF / 16-ch SE Analog Input EtherNet/IP module	8-ch differential or 16-ch single-ended	Voltage : $\pm 150$ mV, $\pm 500$ mV, $\pm 1$ V, $\pm 5$ V, $\pm 10$ V Current : 0 – +20 mA, +4 – +20 mA, $\pm 20$ mA	-	-
<b>EIP-2019</b>	Isolated 8-ch Thermocouple Analog Input EtherNet/IP module	8-ch Thermocouple	Voltage: $\pm 15$ mV, $\pm 50$ mV, $\pm 100$ mV, $\pm 150$ mV, $\pm 500$ mV, $\pm 1$ V, $\pm 2.5$ V, $\pm 5$ V, $\pm 10$ V Thermocouple :B,C,E,J,K,N,R,S,T	-	-
<b>EIP-2042</b>	Isolated 16-ch DO EtherNet/IP module	-	-	16DO	Open Collector (Sink)
<b>EIP-2051</b>	Isolated 16-ch DI EtherNet/IP Module	16-ch DI	Dry Contact: Source, Wet Contact: Sink / Source	-	-
<b>EIP-2055</b>	Isolated 8-ch DI and 8-ch DO EtherNet/IP I/O module	8-ch DI	Dry Contact: Source, Wet Contact: Sink / Source	8 DO	Open Collector (Sink)
<b>EIP-2060</b>	Isolated 6-ch DI and 6-ch Relay Output EtherNet/IP I/O module	6-ch DI	Dry Contact: Source, Wet Contact: Sink / Source	6 DO	Form A(SPST-NO)

We offer free technical support and will be happy to help you chose the appropriate models to suit your application.