

# BRX Pluggable Option Modules (POM)

## BX-P-ECOMEX \$126.00

The Ethernet EX POM provides a general-purpose Ethernet interface that can be connected to devices using a wide range of protocols.



**NOTE:** This POM device must be used with a DM1E CPU and reside on a different subnet than the built-in Ethernet port.

BX-P-ECOMEX Specifications																																														
<b>Description</b>	Standard transformer isolated Ethernet port with built-in surge protection.																																													
<b>Transfer Rate</b>	10/100 Mbps																																													
<b>Port Status LED</b>	LINK LED is solid when network is established. ACT LED flashes when port is active.																																													
<b>Supported Protocols</b>	SMTP (Email) FTP (Client) Do-more! Ethernet I/O MQTT / MQTTS HTTP / HTTPS EtherNet/IP: Explicit Messaging (Scanner, Adapter) Implicit Messaging (Scanner, Adapter) SNTP (Time Server) TCP/IP (Raw Packet) Modbus TCP/IP (Client & Server) DHCP																																													
<b>Cable Recommendation</b>	C5E-STxxx-xx from AutomationDirect.com																																													
<b>Port Type</b>	RJ45, Category 5, Auto Crossover																																													
<b>Ethernet Port Numbers:</b>	<table border="1"> <tbody> <tr><td>Peerlink</td><td>28784</td><td>UDP</td></tr> <tr><td>Do-more! Protocol (Client, Server)</td><td>28784</td><td>UDP</td></tr> <tr><td>Modbus TCP (Client, Server)</td><td>502</td><td>TCP</td></tr> <tr><td>HOST Ethernet Protocol (Client, Server)</td><td>28784</td><td>UDP</td></tr> <tr><td>EtherNet/IP: Explicit Messaging (Scanner, Adapter)</td><td>44818</td><td>TCP</td></tr> <tr><td>Implicit Messaging (Scanner, Adapter)</td><td>44818</td><td>TCP</td></tr> <tr><td>SMTP (Email)</td><td>25</td><td>TCP</td></tr> <tr><td>Ethernet Remote I/O</td><td>28784</td><td>UDP</td></tr> <tr><td>HTTP, HTTPS</td><td>80, 443</td><td>TCP</td></tr> <tr><td>Embedded Web Server: HTTP (Unsecure)</td><td>80</td><td>TCP</td></tr> <tr><td>MQTT, MQTTS</td><td>1883, 8883</td><td>TCP</td></tr> <tr><td>SNTP (Time Server)</td><td>123</td><td>TCP</td></tr> <tr><td>TCP Raw Packet</td><td>User defined</td><td>TCP</td></tr> <tr><td>UDP Raw Packet</td><td>User defined</td><td>UDP</td></tr> <tr><td>FTP (Client)</td><td>20, 21</td><td>TCP</td></tr> </tbody> </table>	Peerlink	28784	UDP	Do-more! Protocol (Client, Server)	28784	UDP	Modbus TCP (Client, Server)	502	TCP	HOST Ethernet Protocol (Client, Server)	28784	UDP	EtherNet/IP: Explicit Messaging (Scanner, Adapter)	44818	TCP	Implicit Messaging (Scanner, Adapter)	44818	TCP	SMTP (Email)	25	TCP	Ethernet Remote I/O	28784	UDP	HTTP, HTTPS	80, 443	TCP	Embedded Web Server: HTTP (Unsecure)	80	TCP	MQTT, MQTTS	1883, 8883	TCP	SNTP (Time Server)	123	TCP	TCP Raw Packet	User defined	TCP	UDP Raw Packet	User defined	UDP	FTP (Client)	20, 21	TCP
Peerlink	28784	UDP																																												
Do-more! Protocol (Client, Server)	28784	UDP																																												
Modbus TCP (Client, Server)	502	TCP																																												
HOST Ethernet Protocol (Client, Server)	28784	UDP																																												
EtherNet/IP: Explicit Messaging (Scanner, Adapter)	44818	TCP																																												
Implicit Messaging (Scanner, Adapter)	44818	TCP																																												
SMTP (Email)	25	TCP																																												
Ethernet Remote I/O	28784	UDP																																												
HTTP, HTTPS	80, 443	TCP																																												
Embedded Web Server: HTTP (Unsecure)	80	TCP																																												
MQTT, MQTTS	1883, 8883	TCP																																												
SNTP (Time Server)	123	TCP																																												
TCP Raw Packet	User defined	TCP																																												
UDP Raw Packet	User defined	UDP																																												
FTP (Client)	20, 21	TCP																																												
<b>Hot Swappable</b>	Yes																																													
<b>Software Version Required</b>	Do-more! Designer version 2.8 or later (version 2.10 or later required for EtherNet/IP Implicit Messaging)																																													

Pin #	Signal
1	TXD+ Transmit Data
2	TXD- Transmit Data
3	RXD+ Receive Data
4	N/C
5	N/C
6	RXD- Receive Data
7	N/C
8	N/C

