

# BRX Pluggable Option Modules (POM)

## Overview

All BRX Do-more! MPUs have an available slot to receive one BRX Pluggable Option Module (POM). Available POM configurations are:

- RS-232 3-pin serial port
- RS-232 RJ12 port
- RS-485 serial port
- Ethernet port (RJ45)
- USB Type B Port

POM modules are hot swappable giving you the ability to utilize different communication options while the system is running. For example, you can configure the system using a POM RJ45 Ethernet port to talk

with a C-more panel. Then hot swap to the USB POM for programming. When programming is complete hot swap back to the RJ45 Ethernet POM without needing to power cycle or reconfigure the system.



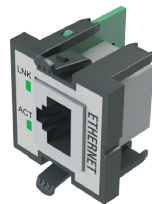
**BX-P-SER2-TERM**  
RS-232 Port



**BX-P-SER4-TERM**  
RS-485 Port



**BX-P-SER2-RJ12**  
RS-232 Port (RJ12)



**BX-P-ECOMLT**  
Ethernet Port (RJ45)



**BX-P-USB-B**  
USB Type B Port

BRX Programmable Option Modules		
Expansion Module Part No.	Price	Description
<b>BX-P-SER2-TERM</b>	\$49.00	Non-isolated Serial port for communication via RS-232. Includes ESD protection and built-in surge protection.
<b>BX-P-SER4-TERM</b>	\$49.00	Non-isolated Serial port for communication via RS-485. Includes ESD protection and built-in surge protection.
<b>BX-P-SER2-RJ12</b>	\$49.00	Non-isolated Serial port for communication via RS-232. Includes ESD protection and built-in surge protection.
<b>BX-P-ECOMLT</b>	\$69.00	Standard transformer isolated Ethernet port (1 Mbps throughput max) with built-in surge protection.
<b>BX-P-USB-B</b>	\$27.00	USB Type B Port for programming.

BRX POM Capabilities					
	BX-P-SER2-TERM	BX-P-SER4TERM	BX-P-SER2-RJ12	BX-P-ECOMLT*	BX-P-USB-B
<b>Monitoring &amp; Programming</b>	X	X	X	X	X
<b>Do-more! Protocol</b>	X	X	X	X	
<b>Modbus RTU (Master &amp; Slave)</b>	X	X	X		
<b>Modbus TCP (Server)</b>				X	
<b>K-Sequence (Slave)</b>	X	X	X	X	
<b>ASCII (In &amp; Out)</b>	X	X	X		
<b>Custom Protocols</b>	X	X			

\* Limited to 1 Mbps throughput max

## General Specifications

General specifications common to all the POM modules are listed in the table below.

General Specifications	
Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 85°C (-4° to 185°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Enclosure Type	Open equipment
Agency Approvals	UL 61010-2 - UL File # E185989 Canada and USA CE Compliant E185989*
Noise Immunity	NEMA ICS3-304
EU Directive	See the "EU Directive" in Appendix A or topic DMD0331 in the Help File.
Weight	7g (0.25 oz)

\*Meets EMC and Safety requirements. See the D.O.C. for details.



**NOTE:** Pluggable Option Modules cannot be installed in BRX Remote I/O modules (e.g., BX-DMIO, BX-MBIO, BX-EBC100).