BX 10/10E MPUs

BX-DM1E-10ER3-D $397.00

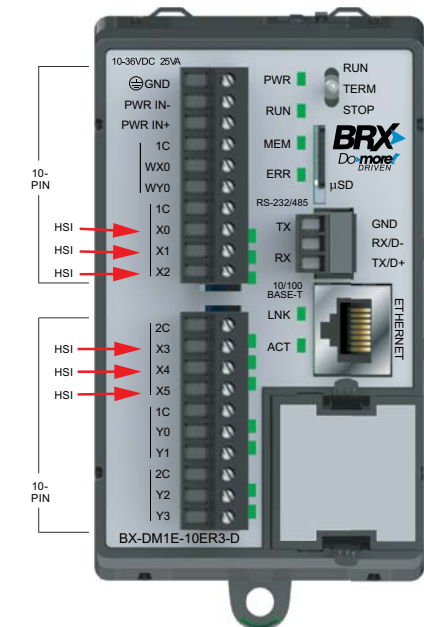### *BRX MPU with Do-more! DM1 technology*
- 24VDC required; serial port; Ethernet port; microSD slot
- Discrete input: 6-point, sink/source
- Analog input: 1-channel, current / voltage
- Discrete output: 4-point, relay
- Analog output: 1-channel, current / voltage

CPU Specifications	
Program Memory Type	FLASH memory
User Data Memory Type	Battery-backed RAM, user configurable
Serial Port	RS-232/485 3-Pin, Software selectable
Ethernet Port	RJ-45, 10/100 Mbps
Pluggable Option Module	RS-232, RS-485, Ethernet 10/100 BASE-T (1 Mbps throughput max), USB 2.0 Type B
Data Logging/File Management	microSD card slot (32G max)
Expansion Modules	2 expansion modules max
Real Time Clock Accuracy	±2.6 s per day typical at 25°C ±8s per day max at 60°C
Programming Software	Do-more! Designer – Ver. 2.0 or higher
Programming Cable Options	BX-PGM-CBL
MPU Weight	190g (6.7 oz)

I/O Terminal Blocks sold separately.
(See Removable Terminal Block Specifications Table on BX 10/10E MPU Accessories page.)

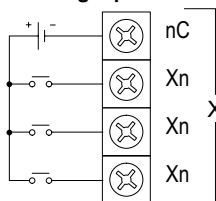| Discrete Input Specifications	
Input Type	Sink/Source
Total Inputs per Module	6 High Speed * * All inputs may be used as standard inputs.
Commons	2 (3 points/common) Isolated
Nominal Voltage Rating	12–24 VAC/DC
Input Voltage Range	9–30 VAC/DC
Maximum Voltage	30 VAC/DC
DC Frequency	0–250kHz - High Speed
Minimum Pulse Width	0.5 µs - High Speed
AC Frequency	47–63 Hz (60–240Hz filter must be set in software for AC operation)
Input Impedance	3kΩ @ 24VDC
Input Current (typical)	6mA @ 24 VAC/DC
Maximum Input Current	12mA @ 30 VAC/DC
Maximum OFF Current	2.0 mA
ON Voltage Level	> 9.0 VAC/VDC
OFF Voltage Level	< 2.0 VAC/VDC
Status Indicators	Logic Side, Green

Discrete Output Specifications	
Output Type	Relay Form A (SPST)
Total Outputs per Module	4 Relay
Commons	2 (2 points/common) Isolated
Maximum current per common	4A
Nominal Voltage Ratings	12–48 VDC, 24–240 VAC
Operating Voltage Range	5–60 VDC, 5–264 VAC
Maximum Voltage	60VDC, 264VAC
Minimum Output Current	0.1 mA @ 24VAC/DC
Maximum Output Current	2A
Maximum Leakage Current	1uA (DC) 300uA (AC) due to RC Snubber Circuit
Maximum Switching Frequency	10Hz
Status Indicators	Logic Side, Green

I/O Wiring

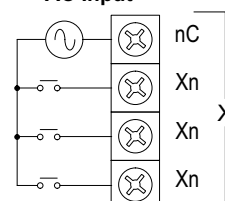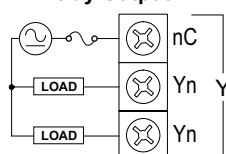**Discrete Input Wiring**

Sinking Input

Sourcing Input
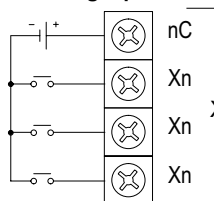
AC Input

Discrete Output Wiring

Relay Output

Supply Power Wiring

DC Power

DC Power In
12–24VDC
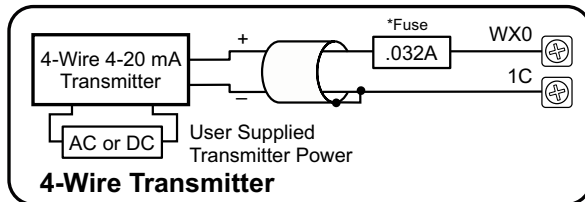Class 2 or LPS User Supplied Power

BRX - Programmable Controller
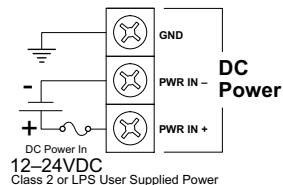
BX 10/10E MPUs

Analog Input Specifications

Inputs per Module	1
Input Voltage Range	Software Selectable ±10V, ±5V, 0–10 V, 0–5 V
Input Current Range	Software Selectable ±20mA, 4–20 mA
Resolution	16 bit @ ± 10V, ± 20mA
Conversion Time	1.2 ms
Input Impedance Voltage Modes	100kΩ
Input Impedance Current Modes	249Ω

Analog Output Specifications

Outputs per Module	1
Output Voltage Range	Software Selectable ±10V, ±5V, 0–10 V, 0–5 V
Minimum Voltage Load Impedance	1kΩ
Output Current Range	Software Selectable ±20mA, 4–20 mA
Maximum Current Load Impedance	500Ω
Conversion Time	< 1ms
Resolution	16 bit @ ± 10V, ± 20mA

Analog Current Sinking Input Circuits

2-Wire Transmitter

3-Wire Transmitter

4-Wire Transmitter
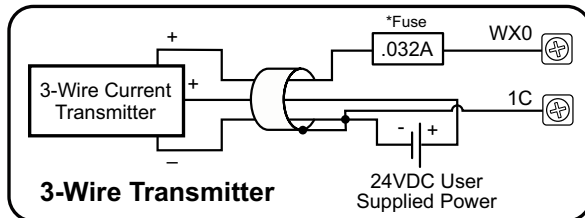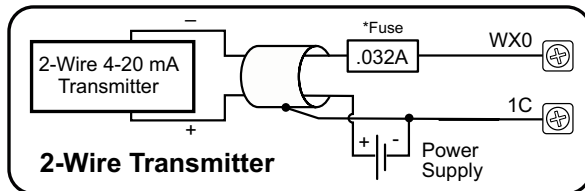
*NOTE: An Edison S500-32-R 0.032A fast-acting fuse is recommended for all analog voltage inputs, analog outputs, and current loops.

Analog Voltage Input Circuits

4-Wire Transmitter

3-Wire Transmitter

Analog Output Wiring

Current Source Output

Voltage Output

BRX Micro PLC Overview

The BRX platform enables you to choose from various communications ports. All BRX MPU models have a built-in RS232C/485 (software-selectable) serial port. However, an RJ45 Ethernet port (10/100 Mbps) is provided on select units. With support for EtherNet/IP, Modbus TCP, Modbus RTU, ASCII, K-sequence (DirectLOGIC users) and custom protocols, the BRX MPU platf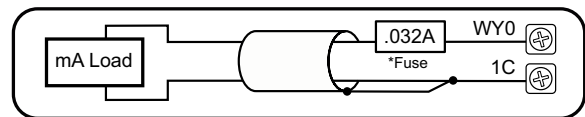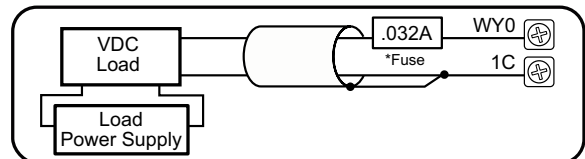orm provides supreme versatility for any application. BRX hardware is built to last and is engineered, assembled and supported right here in America; designed and fabricated by industrial automation veterans with hardware facilities in Tennessee and Florida. The compact modular architecture results in an outstanding controller package, with high performance, a small footprint, at a very low cost. The BRX platform has built-in high-speed I/O, motion control, on-board analog I/O, and many other features that enable you to build the ideal controller for your application. Below is a quick look at some of the standard features available on the BRX Platform.

External Power
12–24 VDC or 120–240 VAC.

Large Terminal Blocks
5mm pitch, individually removable by common groups.

microSD Card Slot
Data Logging and File Management capability.

Do-more! DM1 Technology
Existing Do-more! projects can port over 100%.

Expansion Port
Expandable up to (8) 16-point Expansion Modules for a total of 128 additional I/O points.

Customizable Label Window
Available on BX18/18E and BX36/36E MPUs.

Built-in Serial Port
RS232 or RS485 software selectable.

Built-in Ethernet Port
Full functioning Ethernet port including EtherNet/IP available on select models.

Pluggable Option Module (POM) Slot
Increase functionality of MPU with additional serial port, Ethernet port, or USB port.

Built-in High Speed I/O
Up to 10 DC inputs and half of the DC outputs.

Built-in Analog I/O
On select models.

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	UL61010-2 - UL File # E185989 Canada and USA
	CE Compliant EN61131-2*
Noise Immunity	NEMA ICS3-304
EU Directive	See the "EU Directive" topic in the Help File

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

2 Year Warranty
All BRX PLCs are covered under a 2- year warranty.

BRX Micro PLC Overview

Built-in RS-232/485 Port Specifications

Port Name *	RS-232/RS-485 Serial Port
Description	Non-isolated serial port that can communicate via RS-232 or RS-485 (software selectable). Includes ESD protection and built-in surge protection.
Supported Protocols	Do-more Protocol (Default) Modbus RTU (Master & Slave) K-Sequence (Slave) ASCII (In & Out) Programming and Monitoring
Data Rates	1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200
Default Settings	RS-232, 115200 bps, No Parity, 8 Data Bits, 1 Stop Bit, Station #1
Port Type	3-pin terminal strip 3.5 mm pitch
Port Status LED	Green LED is illuminated when active for TXD and RXD
RS-485 Station Addresses	1-247
Cable Recommendations	RS-232 use L19772-XXX from AutomationDirect.com RS-485 use L19827-XXX from AutomationDirect.com
Replacement Connector	ADC Part # BX-RTB03S

Removable connector included.
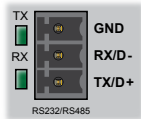
Pinout	RS232	RS485
1	GND	GND
2	RXD	D-
3	TXD	D+

TX
RX

GND
RX/D-
TX/D+

RS232/RS485

When using RS-485 a termination resistor is available and is software selectable.

CPU Status Indicators

Indicator	Status	Description
PWR	OFF	Base Power OFF
	Green	Base Power ON
	Yellow	Low Battery
RUN	OFF	CPU is in STOP Mode
	Green	CPU is in RUN Mode
	Yellow	Forces are Active
MEM	OFF	No ROM Activity, No SD Card
	Yellow	ROM Activity (Flash or SD Card)
	Green	SD Card Installed and Mounted
	Red	SD Card Installed and Not Mounted
ERR	OFF	CPU is functioning normally
	Red	CPU Fatal Hardware Error or Software Watchdog Error

CPU Mode Switch

RUN	CPU is forced into RUN Mode if no errors are encountered.
TERM	RUN, PROGRAM and DEBUG modes are available. In this position, the mode of operation can be changed through the Do-more! Designer Software.
STOP	CPU is forced into STOP Mode.

RUN
TERM
STOP

microSD Specifications

Port Name	microSD Card Slot			
Description	Standard microSD socket for data logging or file read/write			
Maximum Card Capacity	32GB			
Transfer Rate (ADATA microSDHC Class 4 memory card)	Mbps	Minimum	Typical	Maximum
	Read	14.3	14.4	14.6
	Write	4.8	4.9	5.1
Port Status LED	Green LED is illuminated when card is inserted/detected			
Optional microSD Card	ADC Part # MICSD-16G			

Pin	SD
1	DAT2
2	CD/DAT3
3	CMD
4	VDD
5	CLK
6	VSS
7	DAT0
8	DAT1

AC Power Supply Specifications

Nominal Voltage Rating	120–240 VAC
Input Voltage Range (Tolerance)	85–264 VAC
Rated Operating Frequency	47–63 Hz
Maximum Input Power	40VA
Cold Start Inrush Current	1.5A, 2ms
Maximum Inrush Current (Hot Start)	1.5A, 2ms
Internal Input Fuse Protection	Micro fuse 250V, 2A Non-replaceable
Isolated User 24VDC Output	24VDC @ 0.3 A max, <1V P-P Ripple, Integrated self-resetting short circuit protection
Voltage Withstand (dielectric)	1500VAC Power Inputs to Ground applied for 1 minute 1500VAC Ground to 24VDC applied for 1 minute

DC Power Supply Specifications

Nominal Voltage Rating	12–24 VDC
Input Voltage Range (Tolerance)	10-36 VDC
Maximum Input Voltage Ripple	<± 10%
Maximum Input Power	30W (14W for BX 10/10E MPUs)
Cold Start Inrush Current	5A, 2ms
Maximum Inrush Current (Hot Start)	5A, 2ms
Internal Input Protection	Reverse Polarity Protection and Undervoltage
Voltage Withstand (dielectric)	1500VAC Power Inputs to Ground applied for 1 minute

BX 10E MPUs

10 Discrete I/O Points: 6 Inputs, 4 Outputs

Features

- All units are externally powered by a nominal 12–24 VDC
- All units have a built-in RJ-45 Ethernet port, 10/100 Mbps
- Models with DC inputs have:
  - 6 high speed inputs up to 250kHz
  - can accept 12–24 nominal voltages AC or DC
  - can be wired as sinking or sourcing
- Models with AC inputs can accept 120–240 nominal voltages
- All units have 1 analog input (current/voltage software selectable)
- Output types available are DC sinking, DC sourcing, and relay
- Models with DC outputs have 2 high speed outputs up to 250kHz
- Support for 2 additional expansion modules
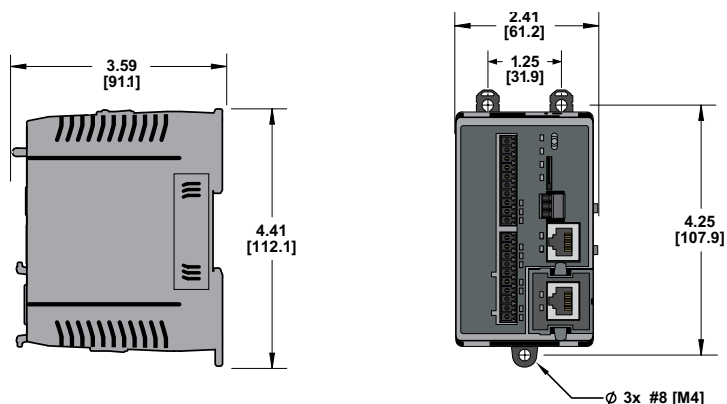- Onboard RS-232/485 port with removable 3-Pin connector
- microSD card slot

BX 10E Micro PLC Unit (MPU)
(Built-in Analog and Ethernet port)

BX 10E MPUs							
Part Number	Price	External Power	Discrete Inputs	Discrete Output	Analog		Expansion Modules
					Input	Output	
BX-DM1E-10ED13-D	$382.00	12–24 VDC	6 High-Speed, Sinking or Sourcing	2 High-Speed 2 Standard DC Sinking	1 Current or Voltage	1 Current or Voltage	2
BX-DM1E-10ED23-D	$381.00			2 High-Speed 2 Standard DC Sourcing			
BX-DM1E-10ER3-D	$397.00			4 Form A Relay			
BX-DM1E-10AR3-D	$389.00		6 Standard AC				

Built-in Ethernet Specifications	
Port Name	ETHERNET
Description	Standard transformer isolated Ethernet port with built-in surge protection.
Transfer Rate	10 Mbps (Yellow LED) and 100 Mbps (Green LED)
Port Status LED	LED is solid when network LINK is established. LED flashes when port is active (ACT).
Supported Protocols		Port:
	Do-more! Protocol	28784, UDP
	Modbus TCP	502, TCP
	TCP/IP	User-defined, TCP
	Custom Protocol	User-defined
	SNTP (Time Server)	123, TCP
	SMTP (Email)	25, TCP
	MQTT	1883, TCP
	MQTTS	8883, TCP
	HTTP	80, TCP
	HTTPS	443, TCP
	Embedded Web Server: HTTP (Unsecure)	80, TCP
	FTP (Client)	21, TCP
	EtherNet/IP: Explicit Messaging (Scanner, Adapter)	44818, TCP
	EtherNet/IP: Implicit Messaging (Scanner, Adapter) (requires Do-more! Designer version 2.10 or later)	44818, TCP
	DHCP	67,68, UCP
	Ethernet Remote I/O	28784, UDP
	programming and monitoring	
Cable Recommendation	C5E-STxxx-xx from AutomationDirect.com
Port Type	RJ45, Category 5, 10/100 BASE-T, Auto Crossover

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BX 10/10E MPUs

Dimensions, inches[mm]

3.59
[91.1]

4.41
[112.1]

2.41
[61.2]

1.25
[31.9]

4.25
[107.9]

∅ 3x #8 [M4]

Clearances and Mounting Restrictions

2" (50mm)
Minimum from
Enclosure

2" (50mm)
Minimum
from Wire Duct

2" (50mm) Minimum
from Enclosure or
Wire Duct

2" (50mm) Minimum
from Enclosure or
Wire Duct

2" (50mm)
Minimum from
Enclosure

2" (50mm)
Minimum
from Wire Duct

OK

AIRFLOW

BRX - Programmable Controller   tBRX-62
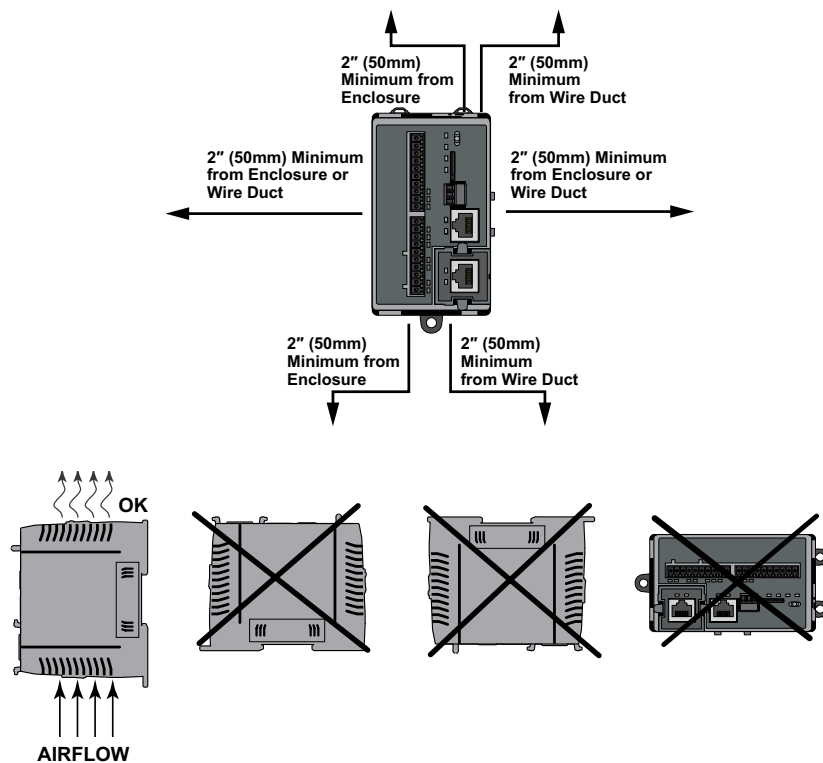
BX 10/10E MPUs Accessories

BX 10/10E MPU Wiring Termination Selection

The BX 10/10E MPUs ship without wiring terminals. This enables you to select the termination solution that best fits your application. Several wiring options are available, including removable screw terminal connectors, removable spring clamp terminal connectors and prewired **ZIP**Link cable solutions.

Terminal Block Connectors

The terminal block connectors are provided in kits and can be easily ordered as a single part number to receive all the terminal block connectors needed. Each kit for the BX 10/10E MPU comes with two (2) 10-pin 3.8 mm terminal blocks. On the BX 10/10E MPUs the terminals are organized into groups consisting of 3 inputs with an isolated common and 2 outputs with an isolated common. For example, inputs X0-X2 are in a group with their common terminal.
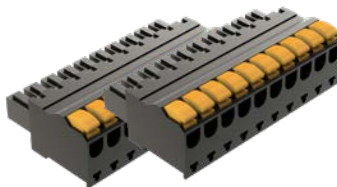
BX-RTB10 Screw Terminal Block Kit

This terminal block kit includes 2 10-pin 3.8 mm terminal blocks (BX-RTB10), These are 90-degree screw terminal blocks. Wire is 180-degree pass through.

BX-RTB10

BX-RTB10-2 Screw Terminal Block Kit

This terminal block kit includes (2) 10-pin 3.8 mm terminal blocks (BX-RTB10-2), These are 180-degree screw terminal blocks. Wire is 180-degree pass through.

BX-RTB10-1 Screw Terminal Block Kit

This terminal block kit includes 2 10-pin 3.8 mm terminal blocks (BX-RTB10-1), These are 90-degree screw terminal blocks. Wire is 180-degree pass through.

BX-RTB10-2

BX-RTB10-1

Removable Terminal Block Specifications			
Part Number	**BX-RTB10**	**BX-RTB10-1**	**BX-RTB10-2**
Price (pkg)	$21.50	$24.00	$22.50
Connector Type	Screw Type-90-degree	Spring Clamp Type-180-degree	Screw Type-180-degree
Wire Exit	180-degree	180-degree	180-degree
Pitch	3.81 mm	3.81 mm	3.81 mm
Screw Size	M2	N/A	M2
Recommended Screw Torque	<1.77 lb·in (0.2 N·m)	N/A	<1.77 lb·in (0.2 N·m)
Screwdriver Blade Width	2.5 mm	2.5 mm	2.5 mm
Wire Gauge (Single Wire)	28–16 AWG	28–18 AWG	30–16 AWG
Wire Gauge (Dual Wire)	28–16 AWG	30–20 AWG (Dual Wire Ferrule Required)	30–18 AWG
Wire Strip Length	0.24 in (6mm)	0.35 in (9mm)	0.26 in (6.5 mm)
Equiv. Dinkle part #	EC381V-10P-BK	ESC381V-10-BK	EC381F-10P-BK

ZIPLINK®
▽AUTOMATIONDIRECT.com

Wiring Solutions

ZIPLink Pre-Wired Cable Solutions

ZIPLinks eliminate the normally tedious process of wiring between devices by utilizing prewired cables and DIN-rail mount connector modules. It's as simple as plugging in a cable connector at either end or terminating wires at only one end. Prewired cables keep installation clean and efficient, using less space at a fraction of the cost of standard terminal blocks. **ZIP**Link prewired cables can connect

directly to a **ZIP**Link remote terminal block module, or with the pigtail option they can allow for a convenient solution to wire the BRX platform to third-party devices. For the BX 10/10E MPUs, one cable and one feedthrough module is needed to connect to all the onboard wiring termination points.

Two feedthrough module options are available, the ZL-RTB20 and the ZL-RTB20-1. The ZL-RTB20 is a standard feedthrough terminal module and the ZL-RTB20-1 is a compact feedthrough terminal block module having a compact footprint taking up less space in the control cabinet.

BX 10/10E *ZIP*Link Selector				
MPU Part Number	**Component Type**	**Module Part Number**	**Cable Part Number***	**Max Quantity Needed**
BX-DM1-10ED1-D	Feedthrough	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BX-CBL20 ZL-BX-CBL20-1 ZL-BX-CBL20-2	1
BX-DM1-10ED2-D				
*BX-DM1-10ER-D***				
*BX-DM1-10AR-D***				
BX-DM1E-10ED13-D				
BX-DM1E-10ED23-D				
*BX-DM1E-10ER3-D***				
*BX-DM1E-10AR3-D***				

*   Select the cable length: Blank = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.
    Available pigtail cables: ZL-BX-CBL20-1P = 1.0 m, ZL-BX-CBL20-2P = 2.0 m.
** The relay outputs are derated not to exceed 2A per common when used with the **ZIP**Link wiring system.

Wiring Solutions

ZIPLink Pre-wired Cables

Custom molded **ZIP**Link prewired cables allow for fast and easy connection of field wiring to the BRX platform. The prewired cable is 0.5 meter in length. Pigtail cables are used to connect the BRX platform directly to third-party devices, reducing your wiring time and cost. The pigtail cable is 1 meter in length.

Pre-wired ZIPLink Cable

ZIPLink Pigtail Cable

ZIPLink Remote Feedthrough Modules

Remote feedthrough modules provide low-cost and compact field wiring screw termination solutions for quickly connecting with the BRX platform. Two (2) modules are available for use with the BRX platform, the ZL-RTB20 and the ZL-RTB20-1. The ZL-RTB20 is a standard 2-row, 20-pin, DIN-rail mountable feedthrough module. The ZL-RTB20-1 is a compact 3-row, 24-pin, DIN-rail mountable feedthrough module with a smaller footprint design.

ZIPLink Module Specifications		
Part Number	**ZL-RTB20** **(Maximum of 4 needed)**	**ZL-RTB20-1** **(Maximum of 4 needed)**
Number of positions	20 screw terminals, 2 rows	24 screw terminals, 3 rows
Screwdriver Width	1/8 in (3.8 mm) maximum	
Screw Torque	4.4 lb·in (0.5 N·m)	4.4 lb·in (0.5 N·m)

ZL-RTB20

ZL-RTB20-1

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 5-pin serial port
- RS-232 RJ12 port
- RS-422 5-pin serial 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.

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

BX-P-SER2-TERM
RS-232 Port

BX-P-SER2-TERMFC
RS-232 Port
w/ Flow Control

BX-P-SER4-TERM
RS-485 Port

BX-P-SER422-TERM
RS-422 Port

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

BX-P-ECOMLT
Ethernet Port (RJ45)

BX-P-ECOMEX
Ethernet Port

BX-P-USB-B
USB Type B Port

BRX Programmable Option Modules

Expansion Module Part No.	Price	Description
BX-P-SER2-TERM	$76.00	Non-isolated Serial port for communication via RS-232. Includes ESD protection and built-in surge protection.
BX-P-SER2-TERMFC	$79.00	Non-isolated Serial port for communication via RS-232, with flow control. Includes ESD protection and built-in surge protection.
BX-P-SER4-TERM	$77.00	Non-isolated Serial port for communication via RS-485. Includes ESD protection and built-in surge protection.
BX-P-SER422-TERM	$79.00	Non-isolated Serial port that can communicate via RS-422. Includes ESD protection and built-in surge protection.
BX-P-SER2-RJ12	$76.00	Non-isolated Serial port for communication via RS-232 Includes ESD protection and built-in surge protection.
BX-P-ECOMLT	$99.00	Standard transformer isolated Ethernet port (1 Mbps throughput max) with built-in surge protection.
BX-P-ECOMEX	$119.00	General-purpose standard transformer isolated Ethernet port (10/100 Mbps) with built-in surge protection.
BX-P-USB-B	$46.00	USB Type B Port for programming.

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 B of the User Manual or topic DMD0331 in the Help File.
Weight	7g (0.25 oz)

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

BRX POM Capabilities

	BX-P-SER2-TERM	BX-P-SER2-TERMFC	BX-P-SER4-TERM	BX-P-SER422-TERM	BX-P-SER2-RJ12	BX-P-ECOMLT*	BX-P-ECOMEX	BX-P-USB-B
Monitoring & Programming	X	X	X	X	X	X	X	X
Do-more! Protocol	X	X	X	X	X	X	X	
Modbus RTU Master	X	X	X	X	X		X	
Modbus RTU Slave	X	X	X	X	X		X	
Modbus TCP (Server)						X	X	
HTTP							X	
MQTT Client							X	
FTP							X	
EtherNet/IP							X	
Embedded Web Server: HTTP (Unsecure)							X	
K-Sequence (Slave)	X	X	X	X	X	X	X	
ASCII (In & Out)	X	X	X	X	X		X	
Custom Protocols	X	X	X	X			X	

* Limited to 1 Mbps throughput max

BRX Programming Software & Cable Assembly

Do-more! Designer Programming Software

Free Download
Part No. DM-PGMSW-USB

FREE
$13.00

Do-more! Designer Programming software is a full-featured programming software for all BRX Series PLCs, Do-more! H2 Series PLCs and Do-more! T1H Series PLCs. Do-more! Designer Software is free. It can be downloaded from Automationdirect.com, or can be purchased on CD-ROM or USB.

BX-PGM-CBL $49.00

The programming cable assembly connects your PC to any BRX MPU and enables you to program and configure the BRX MPU using the free Do-more! Designer software. BX-PGM-CBL includes (1) BX-P-USB-B USB POM module and (1) USB-CBL-AB6 standard USB Type A to USB Type B connector cable.

Filler Module

BRX Accessories

Replacement Battery

D0-MC-BAT $3.00

A battery is included with all BRX MPUs and is used to retain the time and data along with any tagnames values that are set up as retentive. It is recommended that the battery be replaced once every five years or when one year of cumulative OFF time has been exceeded.

Battery	
D0-MC-BAT	Coin type, 3.0V Lithium battery, number CR2032

BRX Blank Custom Slot Labels

BX-LBL-1 $36.50

BRX Blank custom slot labels, package of 10. For use with 18-point and 36-point BRX PLCs. (10) labels and (1) custom label slot cover included.

BRX Access Cover Kit

BX-ACC-1 $11.00

BRX Access cover kit, replacement. For use with all BRX PLCs. Includes (1) battery cover, (1) expansion slot cover, (1) blank POM slot insert and (1) custom label slot.