

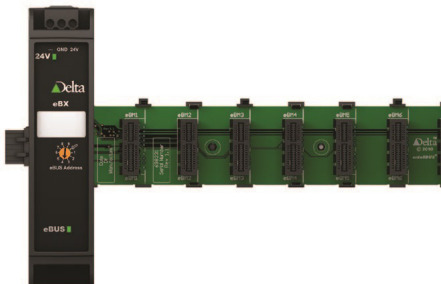
enteliBUS®

Expansion Modules: eBX-04/eBX-08

Description

The enteliBUS Expander (eBX) is used for I/O expansion. Each expander supports up to 8 I/O modules (eBM-xxx). The eBX comes bundled with an expander backplane. One expander module is required for each backplane.

Expander backplanes come in two sizes supporting up to 4 or 8 I/O modules each. Connectors on the ends of each backplane allow up to 8 backplanes to be connected together, and controlled from a single enteliBUS Automation Engine (eBCON or eBMGR).



Application

The enteliBUS Control System is a fully programmable native BACnet® control platform. It is scalable and therefore cost effective over a wide range of applications, from low-density distributed control to high-density centralized I/O applications.

Used together with an eBMGR or eBCON automation engine, the combination of different enteliBUS I/O modules is designed to support all typical input and output needs. This allows the controller I/O mix to be easily and efficiently tailored to fit any application.

Features

- ▶ Modular, expandable I/O
- ▶ Up to 8 expanders/backplanes to a single Automation Engine (eBMGR or eBCON)
- ▶ Auto-detecting and hot swappable I/O modules
- ▶ LED status indications of power, module status and communication bus activity
- ▶ Snap fit, no tools required to add or remove modules
- ▶ Small footprint, DIN rail mountable
- ▶ Modular design provides flexibility, ease of service, and reduced cost for future upgrades and expansions

Specifications

Mounting

Backplane: Snap mount to standard 35 mm steel DIN rail

eBX: Snap mount to backplane and standard 35 mm steel DIN rail assembly

Device Addressing

eBUS address set via rotary switch

Connectors

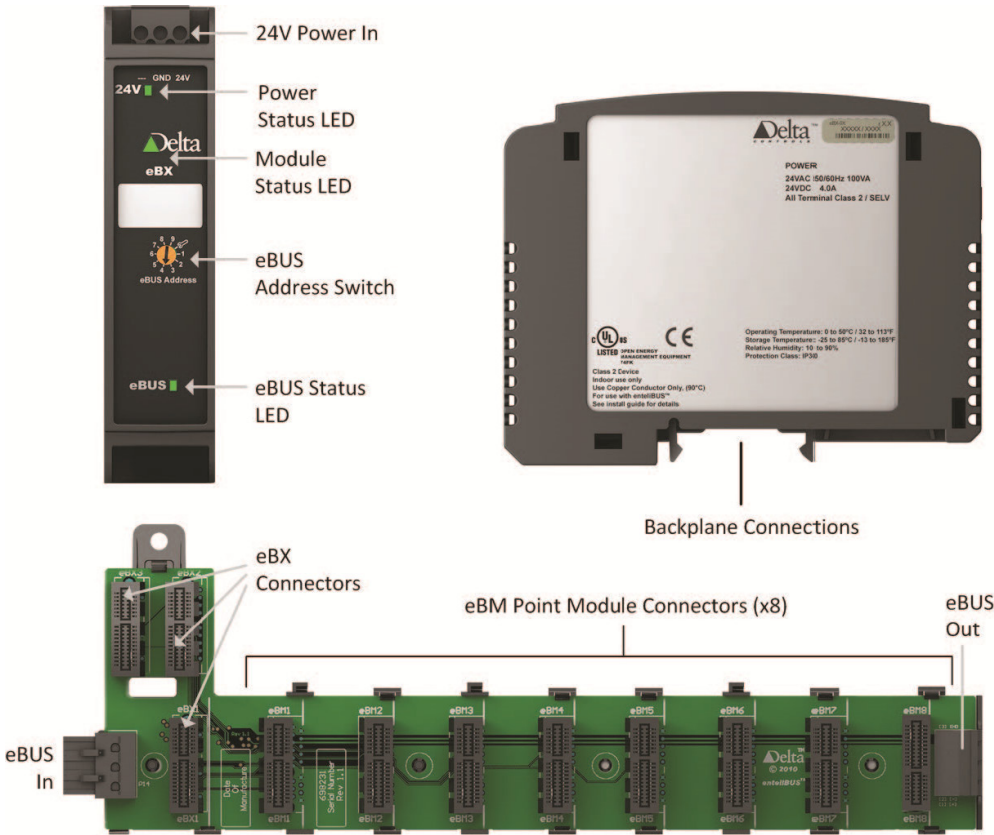
Removable screw-type terminal connector for power

Wiring Class

Class 2 / SELV

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eBX-08: Board Layout



Ordering

Order the eBX according to the following product numbers:

eBX-04	enteliBUS expander — I/O expander with 4-slot expander backplane
eBX-08	enteliBUS expander — I/O expander with 8-slot expander backplane
eBX-04-UL864-340	eBX-04 with UL 864 listing
eBX-08-UL864-340	eBX-08 with UL 864 listing

Accessories

See the enteliBUS parts list for a complete list of all available enteliBUS modules and accessories.

eBM-xxx	enteliBUS I/O modules, see parts list for a list of available modules*
eBX-TERM	enteliBUS eBUS network terminator
eBB-CABLE	enteliBUS eBUS cable kit
eBCON	enteliBUS controller with 4-slot backplane*
eBMGR	enteliBUS Manager — CPU / Comm. module*

* UL 864 versions available

Specifications (Continued)

Power

24 VAC/DC 50/60 Hz @ 3 VA, 100 VA max with fully loaded modules*

*eBX supplies power for up to 8 I/O modules connected to the backplane

Ambient

32° to 131°F [0° to 55°C]
10 to 95% RH (non-condensing)

Dimensions

eBX-04**
5.0 x 5.7 x 4.0 in. (12.6 x 14.4 x 10 cm)

eBX-08**
5.0 x 9.3 x 4.0 in. (12.6 x 23.4 x 10 cm)

Weight

eBX-04**
0.913 lb (414 g)

eBX-08**
0.974 lb (442 g)

**Dimensions are for eBX package with associated backplane

Enclosure Protection Rating

IP30

Compliance

CE
FCC

Listings

UL 916 Listed
UL 864 Listed for UL 864 product numbers

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Subject to change without notice.