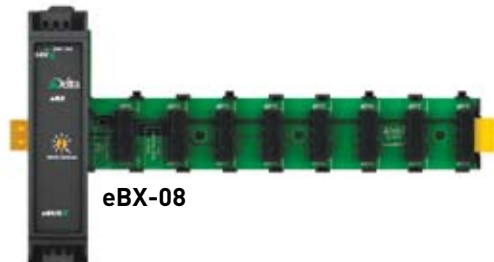# enteliBUS™

Expansion Modules: eBX-04/eBX-08

Description
The enteliBUS™ Expander (eBX) is used for I/O expansion. Each Expander can support up to 8 I/O Modules (eBM-xxx). One Expander Module is required for each Backplane.

The eBX comes bundled with an Expander 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).

eBX-04

eBX-08

Features
— Modular, expandable I/O

— Up to 8 Expanders/Backplanes on a single Automation Engine (eBMGR or eBCON)

— Each Expander + Backplane can support up to 4 or 8 I/O Modules (depending on Backplane used)

— Auto detecting & hot swappable I/O Modules

— LED status indications of power, module status, and communication Bus activity

— Snap fit, no tools required to easily add remove modules

— Small footprint, DIN rail mountable

— Modular design provides flexibility, ease of service, and reduced cost for future upgrades

Application
The enteliBUS Control System is made up of multiple modular components that you select to meet the exact needs of a wide range of HVAC and Access control applications.

The enteliBUS Expander with associated I/O Modules provides cost effective, modular I/O expansion capabilities. For large single systems, centralizing I/O provides better control by simplifying engineering, programming, and commissioning.

Specifications

Device Addressing
eBUS address set via rotary switch

Connectors
Removable screw-type terminal connector for power

Wiring Class
Class 2

Power
24VAC/DC

15VA, 100VA max with fully loaded I/O Modules*

*eBX supplies power for up to 8 I/O Modules connected to the Backplane.

Ambient
0° to 50°C (32° to 113°F)

10 - 95% RH (non-condensing)

Dimensions*
eBX-04
12.6 x 14.6 x 10.0 cm (5.0 x 5.8 x 4.0")

eBX -08
12.6 x 23.0 x 10.0 cm (5.0 x 9.4 x 4.0")
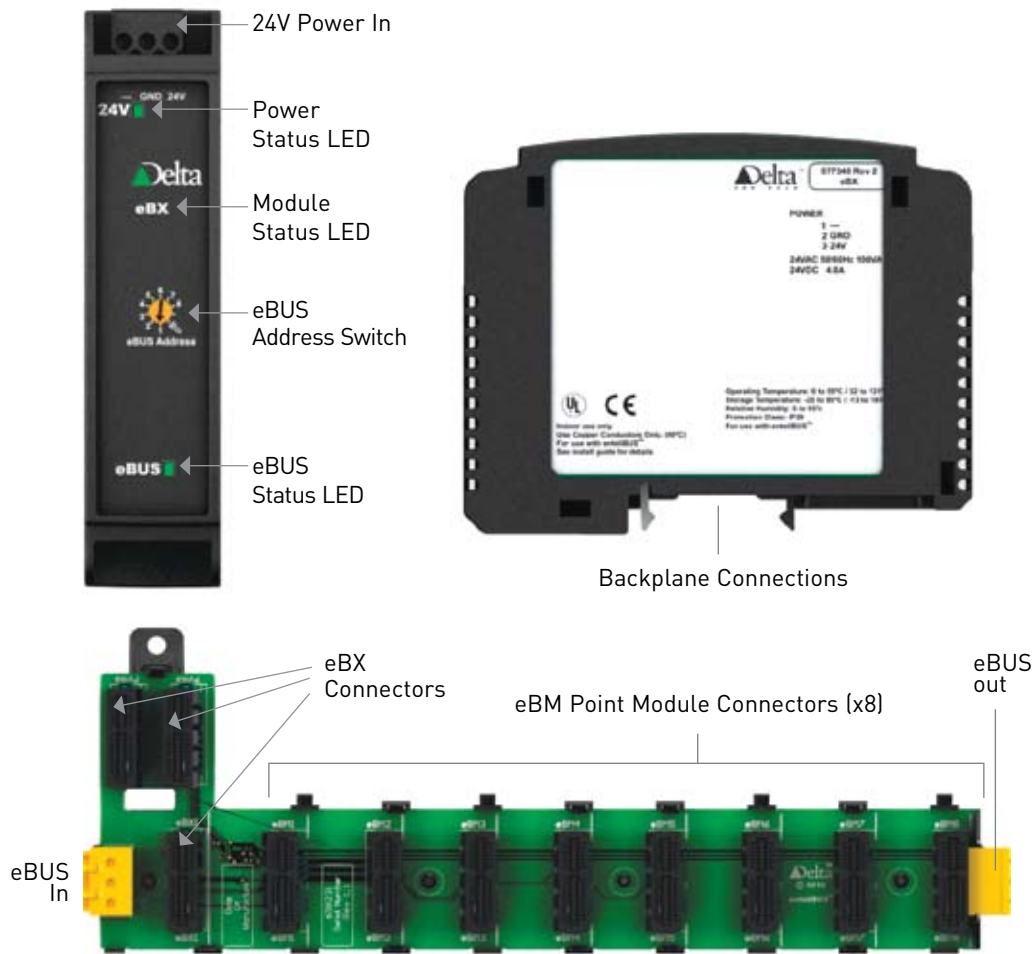
*Dimensions given are for eBX package with associated Backplane.

Mounting
Backplane: Snap mounts to standard 35mm DIN rail

eBX: Snap mounts to Backplane & DIN rail assembly

Do it right.

enteliBUS™

eBX-08: Board Layout Diagram

- 24V Power In
- Power Status LED
- Module Status LED
- eBUS Address Switch
- eBUS Status LED

Backplane Connections

- eBX Connectors
- eBM Point Module Connectors (x8)
- eBUS out
- eBUS In

Ordering

eBX-04	enteliBUS Expander – I/O Expander with 4 slot Expander Backplane
eBX-08	enteliBUS Expander – I/O Expander with 8 slot Expander Backplane

Accessories

(See enteliBUS Parts List for a complete list of all available enteliBUS modules and accessories)

eBM-xxx	enteliBUS I/O Modules, see enteliBUS Parts List for a list of available modules.
eBB-TERM	enteliBUS eBUS Network Terminator
eBB-CABLE	enteliBUS eBUS Cable Kit

Subject to change without notice.

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Do it right.