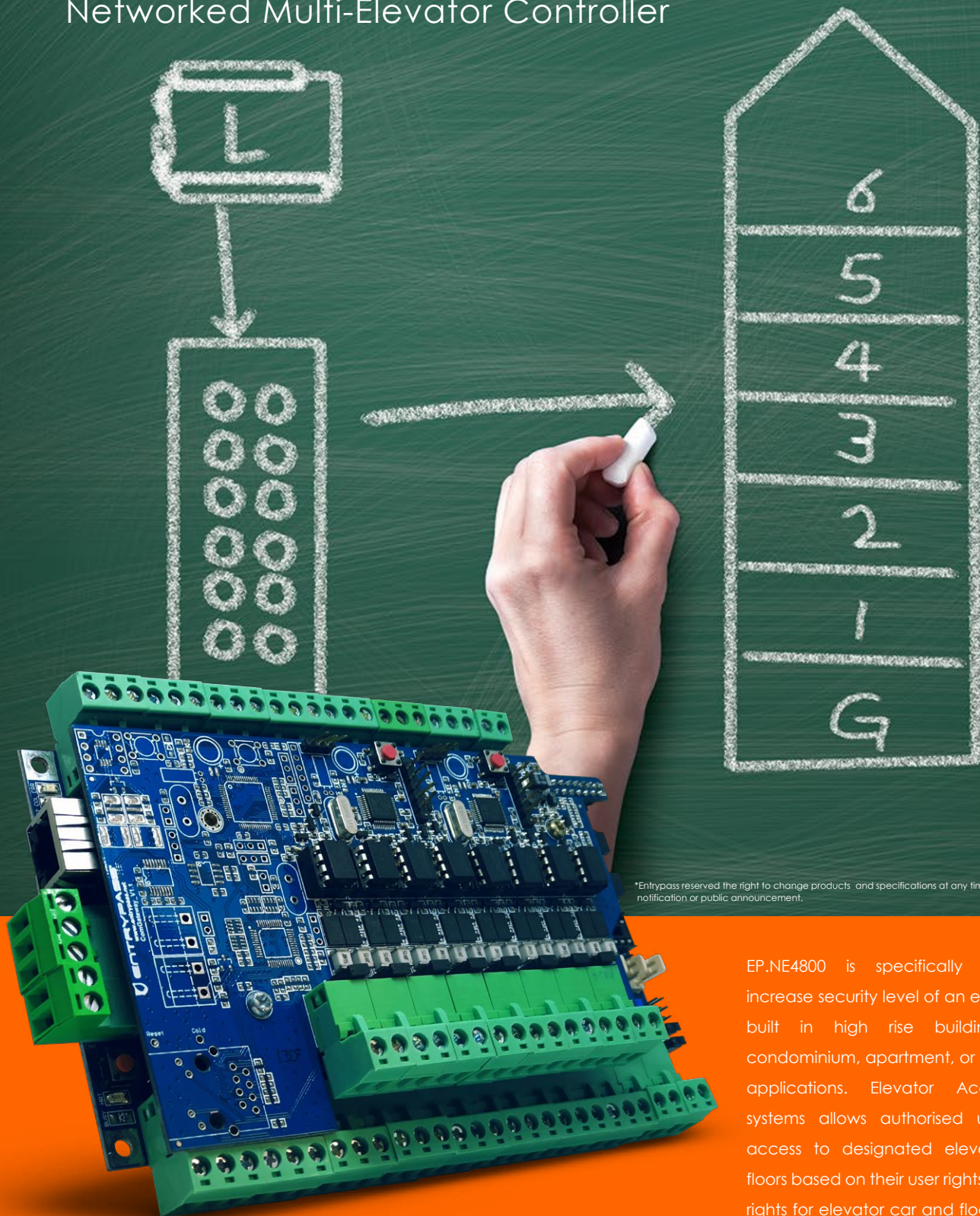


# NE4800

Networked Multi-Elevator Controller



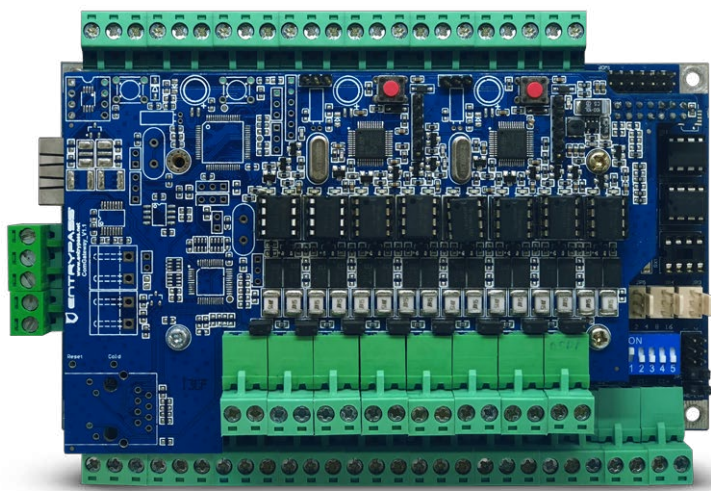
\*Entrypass reserved the right to change products and specifications at any time without prior notification or public announcement.

EP.NE4800 is specifically designed to increase security level of an elevator system built in high rise building such as condominium, apartment, or office building applications. Elevator Access Control systems allows authorised users to gain access to designated elevator car and floors based on their user rights granted. User rights for elevator car and floor accessibility are configurable via Entrypass Platform1 Server Professional Edition.



# NE4800

## Networked Multi-Elevator Controller



Dynamic I/O Assignment (Reader / Output)

Multiple Wiegand Group for various card formats

10 sets of Facility Code

Support 128bits AES Encryption for communication

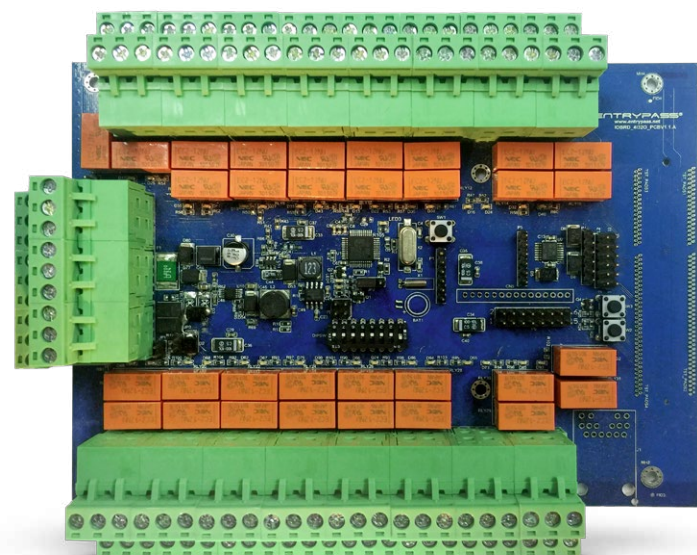
Adopted standard OSDP Protocol

Support a maximum of 30,000 card holder,  
80,000 event transaction

Support a maximum of 4 elevator cars, with each  
elevator serving up to 128 floors

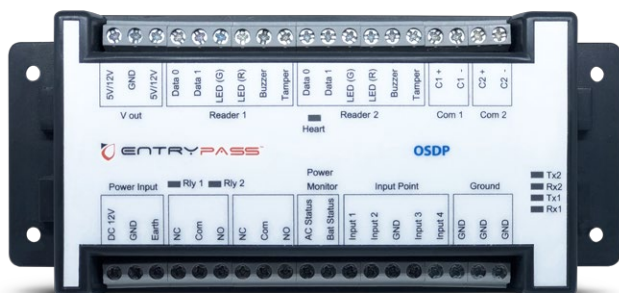
Support a maximum of 512 controllable floors

Flexible I/O Partitioning



## POB Passive Output Board

Expanding I/O availability, each controller control  
up to 32 floors, when multiple controllers  
connected by single daisychained line, it can  
forms a maximum of 128 floors control per line.

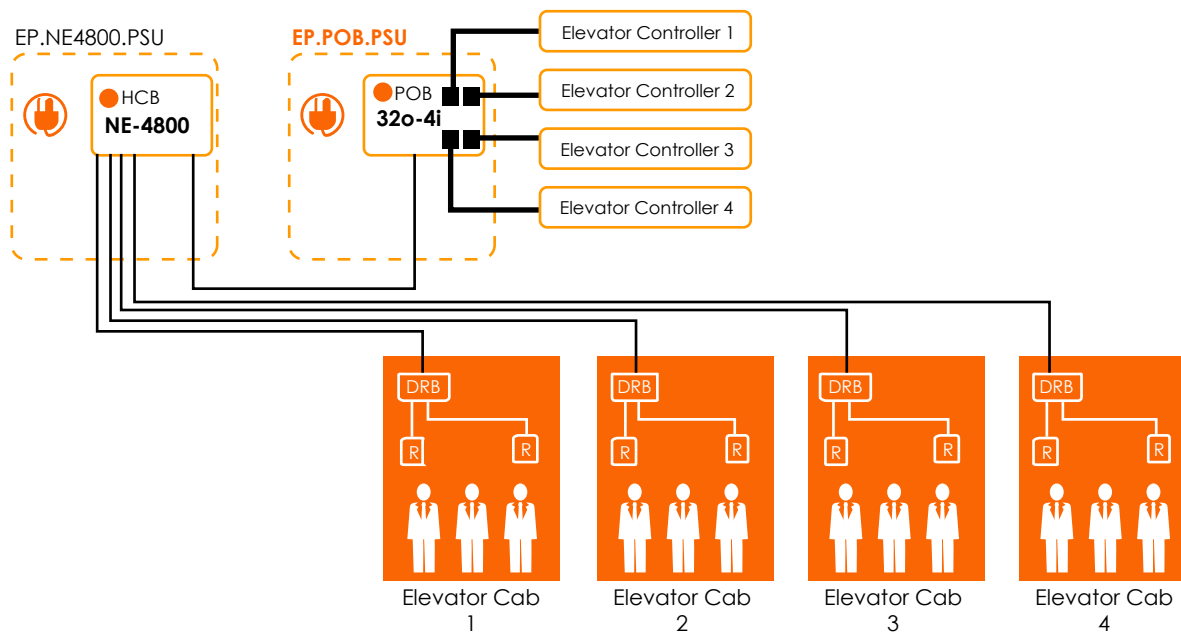


## OSDP Wiegand Converter

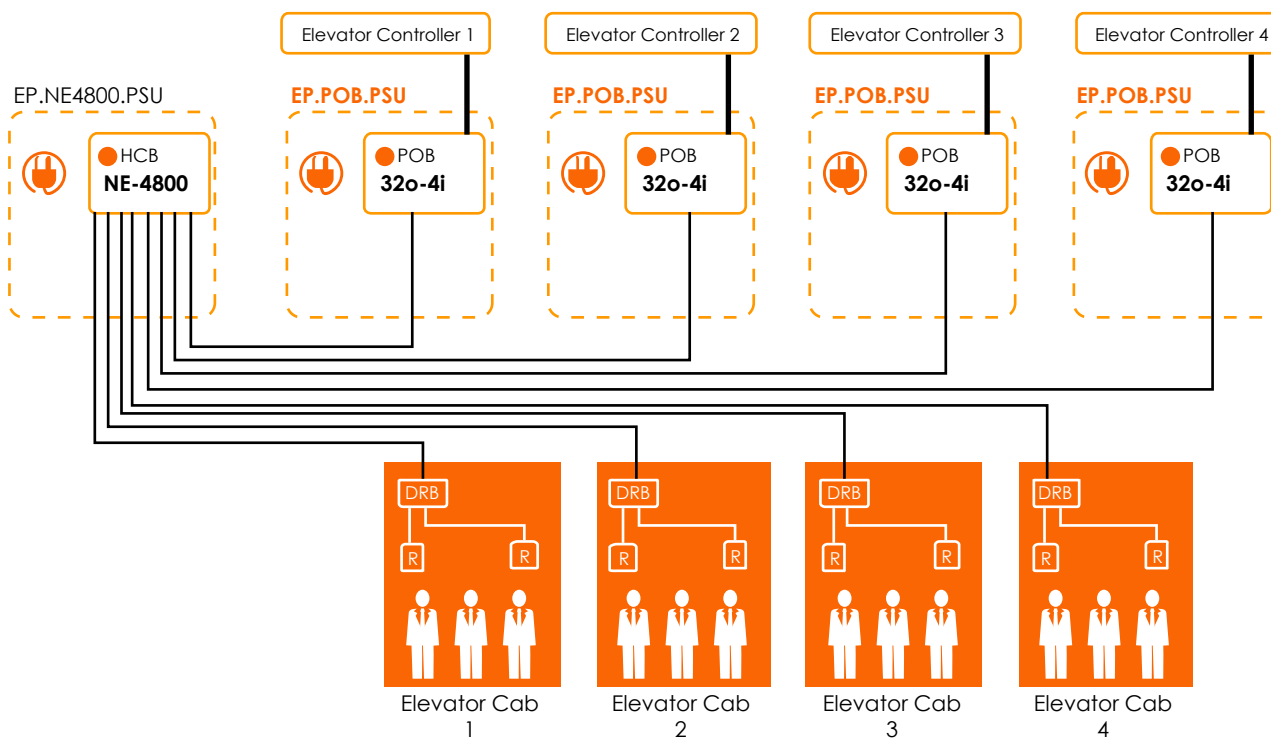
OSDP Reader Interface, connecting up to a  
maximum of 2 readers.

# NE4800 Networked Multi-Elevator Controller

## Four (4) Elevator Cabs with Single (1) Passive Output Boards



## Four (4) Elevator Cabs with Four (4) Passive Output Boards



# NE4800

## Networked Multi-Elevator Controller

### POB Hardware Specification

Specification	Description
MCU	STM32F072C8T6 Cortex M0 @ 48MHz
MCU RAM	64 KB
MCU ROM	16 KB
Operation Voltage	+12V
Max Current consumption @12V	POB(32O4I) : 410mA
(All relays are ON)	
Min Current consumption @12V	POB (32O4I ): 25 mA
Output type	POB: Max 32 number of SPDT type Connections
Output connection spec	Refer to Relay switching characteristic
Input type	POB (32O4I): Max 4 number of supervised inputs
Supervised Input channels bias voltage	+12V (internal pull up)
Communication ports	One Isolated and protected RS485,One CAN bus
Processing power extension	SODIMM 204 pin to support A20 core board

### Ordering Information

EP.NE4800.PSU

Entrypass Networked Multi-Elevator Controller