

## Eight Door/Ten Floor Controller

The eight io controller will handle eight individual doors or ten elevator floors. Add the eight door expander to control up to sixteen doors or twenty elevator floors out of one 12x12 enclosure. Whether you are controlling doors or elevators, you won't find a more compact, efficient, and easier to use door controller on the market.

## Models

Ethernet PN: 8DE







Wireless PN: 8DW

\*Optional Wireless Expander: (8DEW)

\*Optional Ethernet Expander: (8DEE)



## Eight io Features

-  **Upgrade Any Wired System**  
The eight io makes upgrading a traditional wired system easier than ever. Take control of up to eight individual doors with the eight io controller. Easily convert existing wired systems to experience the benefits and capabilities of the pdk io platform.
-  **Elevator Control**  
Provide a seamless, more effective elevator solution. The eight io doubles as an elevator controller, allowing control of up to ten elevator floors. The eight io is smaller and more powerful than any other controller in its class.
-  **Expand to Sixteen Doors**  
System expansion is a breeze, just replace the existing controllers with eight or single io's and use most or all of the existing door hardware. The eight io makes system upgrades effortless and cost effective.
-  **Plug n' Play Connectivity**  
All io devices were designed to be plug n' play. That means they're super easy to install right out of the box. It's easy to add in any io device no matter how large the job is, and you can quickly scale a system to any size. A cloud node can connect with up to a thousand doors on a single platform.
-  **Fully Supervised**  
Never be caught off guard again. Pdk.io intelligently monitors the network and wireless connectivity of each controller in your system and alerts you if any issues arise.
-  **Wireless, or Network**  
Choose from flexible connectivity options that fit any application. The eight io is built for ultra low bandwidth consumption and easily connects to existing or dedicated networks. Easily expand a systems wireless coverage (via network) using the ethernet gateway.

## Specifications:

### Connections

Removable Screw-down Terminals  
Power Supply Input  
Industrial-grade 2A Form-C Relays (1 Door / 1 Aux)  
Reader Input (2)  
Input A (Door Position Sensor)  
Input B (Request To Exit)

### Communication Options

Ethernet  
WiMAC™ Wireless Mesh (2.4 GHz / 802.15.4)  
Encryption: AES 128bit  
Wireless Range: 1 Mile LoS, 450ft indoor average

### Environmental

Temperature: -20° ~ +60° C or -4° ~ +140° F  
Humidity: 0 - 95% relative humidity non condensing

### Enclosure

Dimensions (W x H x D) 12" x 12" x 4"  
Metal lockable security can (indoor use only)

### Weight

8DE/W: 5.45 lbs (87.2 oz)  
8DEE/W): .41 lbs (6.56 oz)

### Compliance

Conforms to UL 294



## Requirements:

### Power

12 VDC  
Power readers and other door hardware using the built-in bus  
10A concurrent max on the bus  
\*Power supply and battery not included

### Recommended Power Supply

12 VDC Access Control Power Supply with proper amperage for connected door hardware.  
See installation manual for 24 VDC operation.

### Manufacturer's Limited Warranty

One to three-year warranty against defects in materials and workmanship. For full details visit [prodatakey.com](http://prodatakey.com).

Visit the ProdataKey dealer website [support.pdk.io](http://support.pdk.io) to access marketing, installation and support resources.  
For questions about the eight io, please contact [support@prodatakey.com](mailto:support@prodatakey.com)