



## 4-Door Expansion Board

R4E

SKU: 112141

Additional Red Expander Boards for Pdk's Red Max controller.

Pdk's Red Max controller is truly in a class of its own, coming fully equipped with two Altronix power supplies and two Red four-door expander boards. The Red Max is fully customizable with any Red expansion board, allowing for scalability and control of up to 24 doors from one enclosure. Expander boards are available in one-door, two-door, and four-door options. Each expander includes built-in Ethernet connectivity and self-discovery, simplifying IP configuration and functionality.

### Red 4 Expander Connections

- Removable Screw-down Terminals
- Industrial-grade 2A Form-C Relays (4)
- Reader (4)
- Input A (4)
- Input B (4)

### Features

- **Fully Customizable** The Red Max is fully customizable with any Red expansion board, allowing for scalability and control of up to 24 doors from one enclosure.
- **Advanced Security** ProdataKey Red products lead the industry in secure communication protocols. This includes OSDP, mobile, and encrypted credential communication.
- **Power Monitoring** Equipped with two Altronix power supply, and a fully-supervised power circuit that monitors input, output, battery voltage, and overall controller health.
- **Plug'n'Play Connectivity** All Pdk Red devices were designed to be plug n' play. That means they're easy to install right out of the box. It's simple to add any device, no matter how large the job is.
- **Self Discoverable** The Red Max Expander boards will be automatically discovered by the Cloud Node when an Ethernet cable is connected; it is not necessary to enter the IP address; the device is self-discoverable.
- **Automatic Updates** Experience future-proof access control that's always up-to-date and protected with the latest security enhancements.

- Connections:
  - Removable Screw-down Terminals
  - Industrial-grade 2A Form-C Relays
  - Reader
  - Input A
  - Input B
- Communication Options: Ethernet
- Environmental: Temperature: -4° ~ +140° F / -20° ~ +60° C
- Humidity: 0 - 95% relative humidity non-condensing
- Power
  - 12 VDC -Power readers and other door hardware using the built-in bus.
  - 10A concurrent max on the bus.

- \* 8 ah backup battery not included but is required to comply with UL 294.
- Certifications:
  - FCC Compliance Statement: This device complies with Part 15 of the FCC rules.