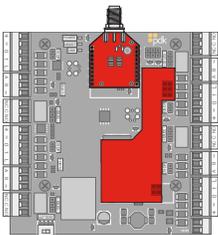


### High-Security Four-Door Controller

Pdk's Red™ 4 controller includes built-in Ethernet connectivity and self-discovery, simplifying IP configuration and functionality. Additional plug-and-play connection options are available by simply purchasing a Red WiMAC™ wireless or PoE++ Module Kit. The Red 4 is equipped with OSDP functionality, an onboard power supply, and a fully-supervised power circuit that monitors input, output, battery voltage, and overall controller health.

### Model

PN: R4



### Optional Module Add-On Kits

WiMAC Wireless Module | PN: RMW

PoE++ Module | PN: RMPOE

### Features

**advanced security**  
ProdataKey Red™ products lead the industry in secure communication protocols. This includes OSDP, mobile, and encrypted credential communication.

**power monitoring**  
Equipped with an onboard 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 4 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.

**module kits**  
Additional WiMAC and PoE++ plug-and-play connection kits can be added by purchasing the respective wireless or PoE kit. Plug the module into the pdk Red 4 board, and it's ready to go.

**system scalability**  
Whether you need two doors or a thousand, the pdk Red 4 Controller gives you the flexibility to add more doors anytime, anywhere, on any device.

## Specifications

### Connections

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

### Communication Options

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

### Environmental

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

### Enclosure

Dimensions (W x H x D) 10.4375" x 7.625" x 3"  
Metal lockable security can (indoor use only)

### Compliance

Conforms to UL 294



### Manufacturer's Limited Warranty

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

## Requirements

### Power

12V-24V DC Input  
12 VDC 5A 60 watt class 2 wall-wart power supply (Input supply to the board)  
Powers readers and other door hardware directly from the bus  
\*12V 8ah backup battery not included but is required to comply with UL 294.