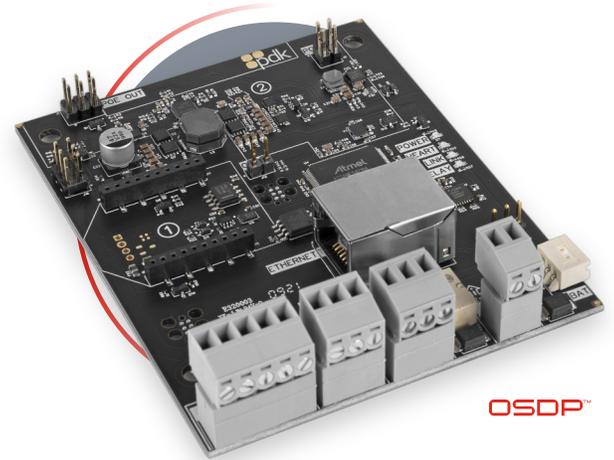


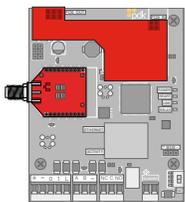
High-Security One Door Expander Board

PDK Red™ Expander Boards accomplish complete scalability, built to customize the Red Max and accomplish all of your system needs. Every expander board includes built-in Ethernet connectivity and self-discovery, simplifying ip configuration and functionality. Each expander 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: R1E



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 1e 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 1e board, and it's ready to go.

system**scalability**

Whether you need one door or a thousand, the PDK Red 1 Expander 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 Relay
Reader
Input A
Input B

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

Red Expander Boards can be mounted to any Red enclosure.

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

Requirements

Power

12V-24V DC Input
Board powers readers and other door hardware directly from the bus.

* Power supplies included with purchase of Red Max Controller

* Battery not included, but a backup battery must be installed to comply with UL 294.

Visit www.prodatakey.com or www.prodatakey.com/resources to access marketing, installation, and support resources. For questions about the Red 1 Expander, please contact support@prodatakey.com.