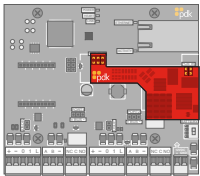# red**gatecontroller**

High-Security Outdoor Controller

Built with ethernet connectivity, self-discovery, sampling IP configuration and functionality. Equipped with OSDP, an onboard power supply, and a fully-supervised power circuit that monitors input, output, battery voltage, and overall controller health. Additional plug-and-play power options are available by simply purchasing a Red PoE++ Module Kit.
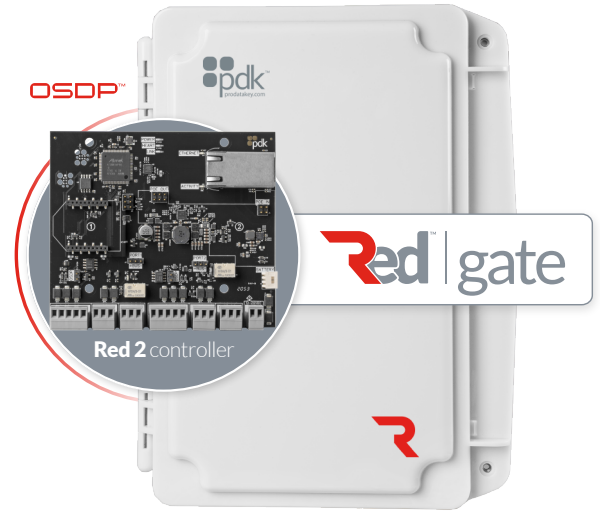
Models

Ethernet PN: RGE
Wireless PN: RGW

Optional Module Add-On Kit

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 on-board power supply, and a fully-supervised power circuit that monitors input, output, battery voltage, and overall controller health.

plugn'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 Gate 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.

eliminate**trenching**

Protecting access to gates and exposed areas has never been easier or more cost-effective. Because of our WiMAC™ wireless capabilities, the gate io eliminates the substantial expenses associated with trenching.

system**scalability**

Whether you need two doors or a thousand, the PDK Red Gate 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 (2)
Reader Input (2)
Input A (2)
Input B (2)

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

Enclosure

Dimensions (W x H x D) 7" x 9.25" x 2.25"
Polycarbonate lockable security enclosure
NEMA 4X UL-rated enclosure

Optional Parts

Pole Mount Kit (PMK)

Weight

RGE/RGW - 1.31 lbs (21oz)

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
Powers readers and other door hardware
directly from the bus.
Operating Amperage: 35mA (Continuous
amperage draw when idle)
Recommended 12v 1.2Ah backup battery (sold
separately).

Visit www.prodatakey.com or prodatakey.zendesk.com to access marketing, installation, and support resources.
For questions about the Red Gate Outdoor Controller, please contact support@prodatakey.com.