red**cloudnode**

High-Security Cloud Node

PDK's Red™ Cloud Node is the Main Controller and includes built-in Ethernet connectivity and self-discovery, simplifying IP configuration and functionality. With built-in plug-and-play connectivity options, additional network or WiMAC™ wireless controllers can be added in seconds. Red CN 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

Ethernet PN: RCNE
Ethernet + Wireless PN: RCNEW

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 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.

automatic**updates**

Experience future-proof access control that's always secure, and up-to-date features, and security enhancements become available.

multi**door**

In addition to connecting to our cloud platform, the cloud node doubles as a single door controller. It's the only device you need for a single door install. Connect to the network and door hardware for a streamlined installation.

cloud**platform**

Pdk.io provides the most powerful and streamlined access control platform on the market. Experience full configuration and management from any internet-connected device.

system**scalability**

Whether you need one door or a thousand, the PDK Red CN 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

Communcation Options

Ethernet
WiMAC™ Wireless (2.4 GHz/ 802.15.4)
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

Requirements

Power

12V-24V DC Input
14 VDC 2A 28 watt class 2 wall-wart power
supply (Input sup-ply to the board)
Powers readers and other door hardware
directly from the bus
* 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 CN, please contact support@prodatakey.com.