

Pure IP™ Reader-Controller



The Pure IP™ hardware family from ISONAS offers a suite of products that allow you to customize your access control solution. Our Reader-Controller continues to take advantage of our patented technology and remains an all in one intelligent device; eliminating the need for a panel and allowing you to take advantage of your existing network.

Check out some of the latest features of the RC-04:

- Mullion, wall mount and wall mount keypad form factors allow for US and EU compatible mounting options; creating a simpler install process at each door.
- Reader-Controllers are available in two models: Multi-card technology (125kHz and 13.56 MHz) or a proximity-only version (125kHz).
- Bluetooth® Low Energy (BLE) allows customers to utilize our Pure Mobile application and use their smart phone as their credential.
- Local mode feature allows readers to function without a connection to the network. This results in faster user response times, less network traffic and reduced host system loading.
- Tamper detection via accelerometer senses any type of altering and prevents a security breach with the reader.
- Metal back plate provides additional security, a simple two piece installation and consistent read range.

SPECIFICATIONS

General

- Multiple form factors
 - Mullion (5.1" x 1.7" x 0.71")
 - Wall mount (5.1" x 3.25" x 0.71")
 - Wall mount keypad (5.1" x 3.25" x 0.71")
- Low frequency, high frequency and Bluetooth® Low Energy
- Local decision making with host programming
- Made in the USA
- Extension cable: 7.5in
Adapter: 19mm diameter

Power options

- Power over ethernet (PoE), (IEEE 802.3af, Class 0)
- DC power: 12VDC In (9 to 16V)
Please note: 24V DC is not approved for this device

Network communications

- 10Mb, half or full duplex
- Ethernet, TCP/IP, standard RJ45 cable
- Network host or client modes supported
- DHCP addressing supported
- Field flashable microcode

Software compatibility

- Pure Access cloud
- Pure Access manager (on-premise)
- Open Options
- Genetec

Environmental

- UL 294 V6 certified
- FCC certified
- Operating temperatures -40°F to 135° F (-40°C to 57°C)
- Conformal coated for weather resistance
- Exposure ratings: IP56

Outputs

- 8 wire pigtail
- 600mA provided to power the lock
- Conditioned lock power
- Fail safe and fail secure supported
- Two exterior door kit outputs

Inputs

- Two configurable inputs:
 - Door sense
 - General purpose request to exit (REX) or auxiliary (AUX)

Visual indicator

- LED signal for reader status
- Backlit keypad

Security features

- Tamper detection via an accelerometer

Read range

- 3" typical on RFID cards
- Proximity read speed: <250msec

Credential types

- 125 kHz (FSK modulation)
- 13.56MHz
- Bluetooth® Low Energy supported (4.1 and later)
- MiFare Classic, Ultralight, and MiFare Plus
- MiFare DESFire EV2 (secure sector) ISONAS only
- iClass (CSN)
- ISO14443A & B

Reader-controller intelligence capacity

- 64,000 credentials
- 5,000 events
- 32 time schedules

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