

Pure IP™ Reader-Controller



The new 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.
- All readers feature Low Frequency (125kHz), High Frequency (13.56MHz) and Bluetooth Low Energy allowing for a wide variety of proximity, smart and electronic credentials and electronic credentials via a smart phone.
- Bluetooth Low Energy(BLE) capability allows for trouble shooting.
- USB enrollment reader simplifies card enrollment.
- 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.
- Custom site key encryption available.
- Tamper detection via accelerometer senses any type of altering and prevents a security breach with the reader.
- Secure data transmissions with AES 256 bit encryption
- Metal back plate provides additional security, a simple two piece installation and consistent read range.

SPECIFICATIONS

GENERAL

- Mullion Form Factor
- Wall mount single gang box Form Factor
- Wall mount single gang box Keypad Form Factor
- USB Enrollment Reader
- Low Frequency, High Frequency and Bluetooth Low Energy
- Local Decision making with host programming
- Made in the USA

POWER OPTIONS

- Power Over Ethernet (PoE), (IEEE 802.3af, Class 0)
- DC Power: 12VDC In (9 to 16V)

NETWORK COMMUNICATIONS

- 10Mb, Full Duplex
- Ethernet, TCP/IP, standard RJ45
- Network host or client modes supported
- DHCP Addressing Supported
- Field flashable microcode

ENVIRONMENTAL

- UL-294 Compliant
- FCC Certified
- Operating Temperatures -40°F to 120° F (-40°C to 49°C)
- Weather-Resistant
- Exposure Ratings: IP56

OUTPUTS

- 8 wire pigtail with connector for customizing length
- 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
- Custom Site Key Encryption Available
- AES-256 bit encryption

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)
- PIV compatible (FIPS 201-1)
- Mifare® Classic, Ultralight, and Mifare Plus
- MiFare DesFire EV1 (Secure Data)
- iClass (CSN)
- ISO14443A & B

READER-CONTROLLER INTELLIGENCE CAPACITY

- 64,000 Credentials
- 5,000 Events
- 32 Time Schedules

Patents: 7,775,429; 8,662,386; 9,153,083