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; 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.
- 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**
- Multiple Form Factors  
  - Mullion (5.1” x 1.7” x 0.71”)  
  - Wall mount (5.1” x 3.25” x 0.17”)  
  - Wall mount keypad (5.1” x 3.25” x 0.17”)  
- Low Frequency, High Frequency and Bluetooth® Low Energy  
- Local Decision making with host programming  
- Made in the USA  
- Compatible with Pure Access Software Platform  
- Extension cable: 7.5in  
  Adapter: 19mm diameter

**POWER OPTIONS**
- Power Over Ethernet (PoE), [IEEE 802.3af, Class 0]  
- DC Power: 12VDC (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

**ENVIRONMENTAL**
- UL-294 Compliant  
- FCC Certified  
- Operating Temperatures -40ºF to 135º F (-40ºC to 57ºC)  
- 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  
- AES-256 bit encryption

**READ RANGE**
- 3” typical on RFID cards  
- Proximity read speed: <250msec

**CREDENTIAL TYPES**
- 125 kHz (FSK modulation)  
- 13.56 MHz  
- Bluetooth® Low Energy Supported (4.1 and later)  
- MiFare Classic, Ultralight, and MiFare Plus  
- MiFare DesFire EV2 (CSN)  
- iClass (CSN)  
- ISO14443A & B

**READER-CONTROLLER INTELLIGENCE CAPACITY**
- 64,000 Credentials  
- 5,000 Events  
- 32 Time Schedules

**U.S. Patents and U.S. Patents Pending.**  
www.isonas.com/patents