

IP RC03 Reader-Controller

Now it's easier than ever to install a door access control system using your existing Ethernet network. It can be easily integrated with an IP video surveillance security system.

ISONAS
PURE IP ACCESS CONTROL

The new ISONAS IP Door Access Control is both a reader and a controller. It doesn't use a control panel. With intelligence built into each and every unit, the PRX model reads the RFID cards from Isonas or HID, while the new MCT model also reads the latest ISO 14443 Smart Card technology. All ISONAS reader models include powerful Crystal Matrix Software™ and are powered using PoE.



Features:

- Network attached reader uses PoE
- No control panel
- Optional keypad for enhanced security
- Operates even if the network is down. Readers can hold up to 64,000 cardholders, 5000 access events and 32 time zones which can be configured and accessed by an external host system
- **PRX Version:** Reads HID proximity cards and ISONAS proprietary cards. Kits are also available.
- **MCT Version:** Reads HID proximity cards, ISONAS proprietary cards and the latest ISO 14443 smart cards
- Pigtail Connector for quick and simple installation to electric locks
- Scalable: Unlimited number of readers on a system and unlimited number of users
- Fail-safe: Full functionality in primary, Network mode; typical access functionality supported in stand-alone mode
- Adaptable: MS Windows software platform is enabled to support integration with other systems; multiple options include TCP/IP, OPC and Bac-Net.
- Easy: Plug and play design eases installation and MS Windows interface is familiar to users

All ISONAS IP Door Reader-Controllers connect directly to the Ethernet network via existing LAN wiring. The panel-free system, featuring ISONAS Crystal Matrix Software™, places real-time control of enrollment, access, time & attendance and emergency response, in the hands of your authorized security administrator.

These IP Readers are "true network devices" designed using IP standards and technology. Once installed, the reader-controllers use TCP/IP to open a dialogue with the ISONAS Crystal Matrix Software™ and await your specific commands and parameters.

This "plug and play" configuration is much easier than stringing special wiring and less time consuming than programming and connecting to control panels. The streamlining of installation, maintenance and integration results in significant cost-savings. End-users want to leverage the investment in their networks and this desire is driving demand for network-friendly, security devices. ISONAS's visionary hardware and software offer these solutions today.

Models:

| | |
|--------------|----------------------------------|
| RC03-PRX | Reads Isonas & HID |
| RC03-PRX-K | Adds keypad |
| RC03PHL-xxx | HID type reader kits |
| RC03-MCT | Reads Isonas, HID and Smart Card |
| RC03-MCT-K | Adds keypad |
| RC03-MSC-xxx | Smart Card type reader kits |



500 Executive Blvd. Ossining, NY 10562 800-431-1658, 914-944-3425, FAX 914-944-0717

Specifications:

CONSTRUCTION

- Durable plastic enclosure, polycarbonate blend, UV stabilized
- Potted for greater weather resistance
- Ethernet interface, 3 monitor inputs & 2 TTL outputs
- Twelve total terminations (3 for relay, 2 for power, 5 inputs, 2 outputs)

DIMENSIONS

- 1.625 X 6.750 X .940 (mullion)

ENVIRONMENTAL

- UL 294 and rated for Outdoor use
- Meets FCC Part 15 certification, ambient operating temperature -40° to +50° Celsius (-40° to +120° F), operating humidity is 0 100%

POWER OPTIONS (field selectable)

- PoE, or 12 volts, 24 volts
- Operating current is <200 mA at peak @ 12v

READ RANGE

- 2" - 5" typical read range on RFID cards (depending on tag form factors) <250 msec

OPERATING FREQUENCY

- **PRX:** 125 KHz (dual modulation, FSK & ASK)
- **MCT:** 125 KHz and 13.56 MHz (ISO 14443 type A, type B)

COMMUNICATION INTERFACE

- Ethernet, TCP/IP, standard RJ45, Interrupt driven
- RS232 interface to connect serial devices like Pin Pads and Wiegand readers
- Power OUTPUT excess power from the PoE circuit is available to power other devices like the electronic lock. Available power: 0.6 amps at 12 volts

OUTPUTS

- Two TTL outputs (active high), one relay output (for electric strike)

MONITOR INPUTS

- Three available inputs for door sense (normally closed), request for exit (REX, normally open) and an optional input for flexibility (AUX, normally open)

VISUAL INDICATORS

- Two LED indicators signal the reader controllers current status.
- Network LEDs show the reader is connected and is receiving and transmitting data.

STANDALONE CAPABILITY

- Capable of storing 64,000 cardholders, 5000 access events and 32 time zones which can be configured and accessed by an external host system

PROTECTION

- Optical tamper switch and internal power up diagnostics

NETWORK ABILITY

- LAN, driven by a powerful Windows host program

FORM FACTOR

- Mullion

