ISONAS™
Pure IP Access Control

We're revolutionizing access control



with one simple solution.

2015 BUYER'S GUIDE

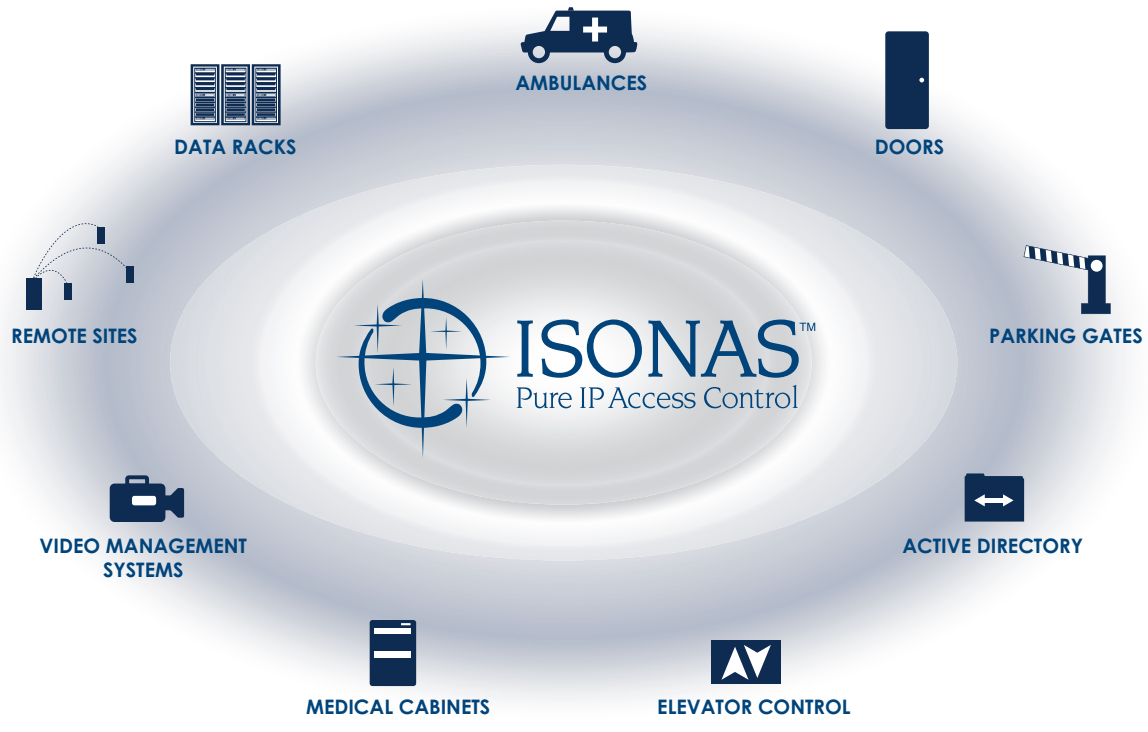
WE'RE TRANSFORMING THE INDUSTRY WITH PURE IP.

ISONAS is the first access control company to design and manufacture a cutting-edge, IP-to-the-door solution that eliminates needless complexity—including inconvenient control panels, separate power supplies, and dedicated hard-wiring. Our network-based PowerNet™ Reader-Controllers offer patented technology that easily integrates with Windows® based software to deliver more simplicity, greater value and total flexibility–allowing you to go places you never thought possible. With over 30,000 readers already installed worldwide across a range of commercial and private organizations, ISONAS provides a proven solution that is revolutionizing the industry.

ISONAS is based in Boulder, Colorado. We are a group of quick-witted entrepreneurs backed by global leaders from some of the largest and most successful technology organizations. Our days are filled with providing the highest level of service to you, our customer, and bringing the best products to market. We fundamentally believe that an IP structure for access control provides the highest quality, greatest flexibility and best value for schools, hospitals and all organizations seeking to add physical access control. Similar to what has happened in IP surveillance cameras, we intend to change the global access control market to an IP structure. Come join the Pure IP access control revolution.

ISONAS ECOSYSTEM

Provide a complete solution to your customers and let ISONAS do the heavy lifting in the background. Our TCP/IP interface allows us to have an open platform, allowing customers a robust and complete security solution.



ACCESS CONTROL

Part Number	Description	Features



Back View

PowerNet™ IP Reader-Controller
PN: RC-03 PRX
PN: RC-03 PRX K
PN: RC-03 MCT
PN: RC-03 MCT K

Patent No:
7,775,429 & 8,662,386

ISONAS PowerNet™ IP Reader-Controller
All in one reader and controller device that provides the first "Pure IP" solution to the door and eliminates the need for a panel.

- Single device that eliminates control panels and hard wiring
- Power over ethernet to the Reader-Contoller also provides up to .6 amps to power the electric strike or mag lock. No other power is needed at the access point
- Unlimited number of readers on a system and unlimited number of users
- TCP / IP Direct Connectivity allowing for integrations with existing systems
- DHCP and Call Home Enabled
- Smart Card and Proximity card models
- Optional Keypad
- AES 256 Bit Encrypted Communication
- Optical Tamper Device
- Potted for weather resistance
- 2 TTL Outputs
- Power Output; 0.6amps @12V
- Dimensions: 1.625" X 6.750" X .940"
- PoE, 12v, or 24v power options



PowerNet™ IP–Bridge
2-Door Model –
PN: IPBridge-2

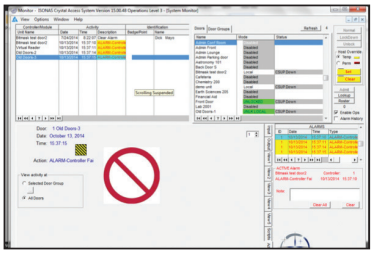
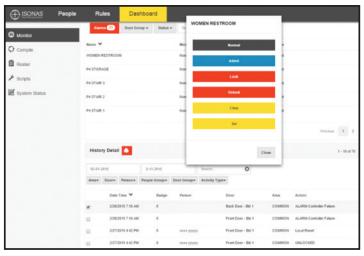
3-Door Model –
PN: IPBridge-3

Patent No:
7,775,429 & 8,662,386

ISONAS PowerNet™ IP–Bridge
Easily and cost effectively expand legacy systems to seamlessly operate within an ISONAS Pure IP environment. Similar to a video encoder, the IP-Bridge allows you to avoid rip and replace, creating a migration path from analog to a new IP architecture that leverages existing infrastructure

- Supports PoE, PoE+, 12v, and 24v power options
- Supports standard door hardware, including Wiegand readers
- Dual network port allows interconnection of multiple IP–Bridges
- Functions as an ethernet network appliance to connect other IP devices, such as cameras
- Two TTL outputs
- Three configurable inputs (REX,AUX, Door sensor)
- Din rail mountable
- Dimensions: 6.28" X 3.55" X 2.26"

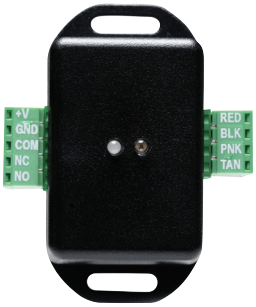
SOFTWARE

Part Number	Description	Features
	**DB Crystal Matrix Software** Standard with every PowerNet™ and does not require any additional licenses. DB Crystal is the highest feature, most advanced version of our software. It provides a full featured access control software for an unlimited number of people, doors and shifts.	• FREE with the purchase of ISONAS hardware products. • Supports more complex features such as elevator controls, lock down scripts, and alarm integrations • Supports unlimited number of card-holders • Supports unlimited number of doors • Supports unlimited number of shifts • Monitor Application included for security guard or receptionist usage
 PN: EWEB-2015	**EasyWeb 2015** Manage your entire access control system from anywhere at any time. The ISONAS EasyWeb 2015 browser-based software package allows you to monitor your access points in real time from your computer, mobile device or tablet.	• No workstation software to install • Multiple user capabilities • User-friendly interface • Consistent page layout for easy training and retention • Monitor access points in real time • Responsive design for mobile or tablet access
 PN: AD-Bridge	**Active Directory Bridge** Use AD-Bridge to simplify the maintenance of the ISONAS ACS by providing the user a single point of entry, for maintaining their corporate personnel database.	• The ISONAS Active Directory Bridge (AD-Bridge) provides a powerful mechanism that supports the propagation of selected information about people, their assigned credentials and the groups to which they are assigned from the Microsoft® Active Directory to the ISONAS access control system
 PN: BS-1	**Badge Printing Software** The ISONAS Crystal Matrix Badge Printing software allows the user to create attractive identification badges that incorporate data and images from the Crystal Matrix databases.	• Unlimited number of user-defined card templates supported • Supports multiple workstations with a single site license • Supports unlimited number of card-holders • Supports popular card printers through their standard Windows print drivers • Uses a standard Windows user interface

CREDENTIALS

Part Number	Description	Features
PN: TC-2	**Thin Cards** The ISONAS thin card provides flexibility on how to execute identification cards. Commonly used with printed employee pictures.	• Size of a standard credit card • Easily fits into wallets • Printable on standard ID card printers • Dimensions per ISO 7810 • Utilizes RFID Technology • Color - White • Material - PVC • Operating Temperature -10°F to +120°F • Available in both proprietary and HID™ formats, both high and low frequencies
 PN: KF-3	**Key Fobs** Key fobs provide flexibility and ease of access by allowing employees to carry the fob with them at all times.	• Utilizes RFID Technology • Conveniently attaches to a set of car keys • Built to withstand wear and tear • Color - Blue/Grey • Material - PVC • Operating Temperature -30°F to +175°F • Available in both proprietary and HID™ formats
 PN: LC-1	**Clamshell** The clamshell provides a cost-effective solution to proximity access control. It provides durable packaging and the hole punch provides flexibility.	• More durable than a thin card • Pre-punched hole for a lanyard • Utilizes RFID technology • Color - White • Material - Hard shell ABS and PVC • Operating Temperature -30°F to +120°F • Available in both proprietary and HID™ formats
PN: CT-4	**Cap Tag** The small size of the cap tag along with adhesive backing allows you to turn normal items into a proximity credential. Some examples: Student ID cards, books, computers, and cell phones.	• Utilizes RFID Technology. • Color - White • Material - PVC • Operating Temperature -10°F to +120°F • Available in both proprietary and HID™ formats

ACCESSORIES

Part Number	Description	Features
 PN: TK-2-M	**Trim Kit** Create a clean, finished look by adding a trim kit when mounting your Reader-Controller onto a single gang electrical box.	• Used to completely cover the outlet box, providing a sleek, finished look • Used for textured mounting surfaces • Provides a simple place to attach the reflective anti-tamper sticker • Dimensions (inches): 2 ¾" wide x 7 ¾" tall x 3/16" thick
 PN: ACC-EDK-3A	**Exterior Door Kit** For exterior doors, this kit provides an increased level of security by preventing the lock wires from being in contact with the unsecure side of the door.	• Durable plastic enclosure • Polycarbonate blend, UV stabilized • Potted for greater weather resistance • Powered by the PowerNet™ Reader-Controller, no additional power required • Rated for 3 amps at 12v DC • Proprietary encrypted serial data • 2 sets of terminal blocks for easy installation • Two LED indicators • Dimensions (inches): 2 ¾" X 1 ¼" X ¾"
 PN: CABLE-POWERNET-xx	**PowerNet™ Cables** 12 pin snap-in connector simplifies installation by allowing pre-wiring to be done prior to the installation of the PowerNet™ Reader-Controller Available in 4, 10 and 25 foot lengths.	• 12 pin snap-in MOLEX connector • Jacketed cable for protection and improved cable pulls • 12 conductor cable, 22 AWG wires • Cable jacket pre-stripped for connections to the door's components • Being detachable simplifies the system's maintenance and troubleshooting
 PN: ACC-STD-SA	**Desk Stand** Create a simple enrollment process or demonstration by mounting your PowerNet™ Reader-Controller to this desk stand.	• Used to simplify and speed up the enrollment process • Compatible with all ISONAS PowerNet™ Reader-Controllers

ACCESSORIES

Part Number	Description	Features
 PN: ACC-IRS-4700	**In-Rush Suppressor** Protects your reader from in-rush voltages and is primarily used for magnetic door locks.	• Any installation that is using Magnetic Locks that are equipped with a "quick-release feature" should have this in-rush protection installed
 PN: ACC-WIM	**Wiegand Interface Module** The ISONAS Wiegand Interface Module (WIM) allows the PowerNet™ to receive credential data from a Wiegand-based device, validate the credential, and then log that activity.	• The WIM is an in-line module that is attached to selected conductors of the PowerNet's™ pigtail. WIM is self-contained, and controlled by the attached PowerNet™ Typical Usage: • Long-range readers for vehicle access • Integration of biometric readers • Integration to legacy readers, such as MagStrip readers • Dimensions 3 ½" X ½" X ½" • Operating temperature -40 to 120°F
 PN: ACC-SRM-4OSW	**Secondary Relay - 4 Outputs** The Secondary Relay Module (SRM) supports controlling two or four enclosure locks from a single PowerNet™ Reader–Controller. The SRM is commonly used to control multiple doors on storage cabinets or computer racks.	The SRM provides a set of form-C relay contacts, which are controlled by one of the PowerNet's™ TTL outputs. There a multiple options available within the Crystal Matrix software to control the TTL outputs. The SRM is commonly used to selectively control two or four locks, or to control a device located at the door, in addition to the door's lock. • Dimensions: 1 ½" X ½" x ¼" • Operating Temperature -40°F to 120°F • Relay rated for 2 amp at 30VDC
 PN: DMO-RC-03-MCT-K	**Demo Unit** The ISONAS Demo Unit is a fully functional access control system. It can be used when demonstrating the features available with the ISONAS system, and to help illustrate answers to the customer's specific questions.	ISONAS PowerNet™ Multi-Card Reader • Equipped with Integrated KeyPad • Enabled to reader HID™ credentials Display Stand • Equipped with Lock Strike and REX Button • Dimensions: 9" H X 8" W X 6" D Four Styles of ISONAS Credentials • Thin Card, Clam Shell, Key Fob, Cap Tag Ethernet Cabling • Cross-over cable • Straight-thru cable

OUR SOLUTION COMES WITH A COMPREHENSIVE LEVEL OF SUPPORT.

We are here to serve. ISONAS is dedicated to ensuring our customers are wowed by our service and our products. You, **our customers**, are what make our business grow and we want to be an engaged, approachable partner to you.

We promise to be the experts in IP access control and help you grow your business.

At ISONAS, we are committed to providing customers with complete peace of mind. Our technical support and pre-sales teams are ready to help you build or spec out your project. Technical support is available to all of our certified integration and reseller partners at no charge. Our service maintenance agreement ensures you have unlimited access to tech support and an extended warranty on hardware products. That means you can experience the same premium level of support that is extended to qualified trainers and resellers.

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