ISONAS Pure IP™
Access control

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 uses patented technology and is designed as an all-in-one intelligent device, eliminating the need for a panel and allowing you to take advantage of your existing network.

Each Reader-Controller option can utilise a full range of credentials, including the use of your smart phone as your credential.

The ISONAS Pure IP Bridge provides a means of upgrading existing access control systems to a Pure IP system without the need to replace existing readers and credentials.

Applications

- Ideally suited to applications requiring real time control via PC or mobile devices
- Controls up to 96 doors
- Suitable for high volumes of users

Features and Functions

- All-in-One design of reader and controller eliminates the need for separate controllers
- Wall reader and Mullion readers available in Multi-card technology or Proximity only configurations
- Simple 'Plug and Play' installation
- Local mode feature allows readers to function without a network connection, giving faster user response times, less network traffic and reduced host system loading
- Bluetooth® Low Energy (BLE) allows customers to utilize our Pure Mobile App to use their smart phone as their credential
- LED indicators for reader status and backlit keypad
- Tamper detection prevents security breaches at the reader
- Metal backplate provides additional security and consistent read range

ISONAS Pure IP™
Access control

Product features	Model Reference					
Reader type	Mullion		Wall Mount		Wall Mount Keypad	
Reference	RC-04-PRX-M	RC-04-MCT-M	RC-04-PRX-W	RC-04-MCT-W	RC-04-PRX-WK	RC-04-MCT-WK
Frequency	125 kHz	13.56 MHz / 125 kHz	125 kHz	13.56 MHz / 125 kHz	125 kHz + Keypad	13.56 MHz / 125 kHz + Keypad
Read range/speed	75mm <250msec	75mm <250msec	75mm <250msec	75mm <250msec	75mm <250msec	75mm <250msec
Network Comms	10Mb, half or full Duplex, Ethernet TCP/IP Standard RJ45 Cable, DHCP addressing supported					
Certifications	UL 294 V6 Certified. FCC Certified, Rated IP56					
Inputs	Door Sense, Request to Exit or Auxiliary					
Outputs	8 wire pigtail, 600mA provided to power lock, 2 exterior door kit outputs Fail Safe and Fail Secure supported					
Power Options	PoE (Power over Ethernet)IEEE 802.3af, Class 0 or 12v DC					
Software Compatibility	Pure Access Cloud, Pure Access Manager					
Credential Types	125 kHz (FSK modulation), 13.56 MHz, Bluetooth® Low Energy (4.1 or later) Mifare Classic, Mifare Ultralite, Mifare Plus, Mifare DesFire EV2, iClass, ISO 14443A & B					
Reader-Controller Capacity	64,000 Credentials, 5,000 Events, 32 Time Schedules					
Dimensions (H x W x D)	129.5 x 43 x 19mm		129.5 x 82.5 x 19mm		129.5 x 82.5 x 19mm	
Operating temperature	- 40˚ C to 57˚ C					

Pure IP™ IP Bridge 2.0

Migrate existing Wiegand networked systems to an ISONAS Pure IP environment using the IP Bridge. It allows you to manage up to 96 doors by daisy chaining up to 32 IP Bridges in series. Simply unplug the existing panels and attach the Wiegand readers directly to the IP Bridge.

- Keep existing power supplies, readers and credentials
- Migrate to Pure IP access control economically and efficiently
- Connect an ISONAS Wiegand reader (R-1) with BLE to add mobile capabilities to your site
- Two and Three door options
- Each door is capable of storing 20,000 credentials, 5,000 events and 32 time schedules
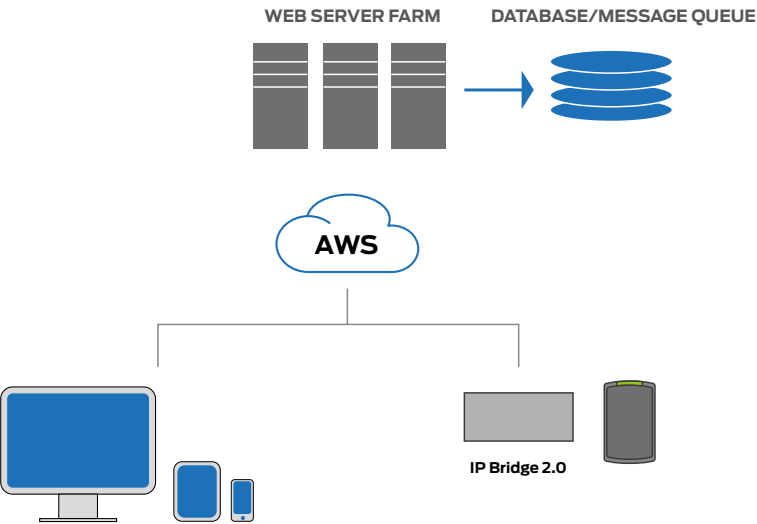- PoE or 12/24v DC power options

ISONAS Pure Access
Access control software

ISONAS Pure Access is a family of leading access control software products comprised of our fully hosted platform, Pure Access Cloud and an on-site option, Pure Access Manager. Pure Access provides a complete access control platform allowing for full installation , administration and management of our patented Pure IP™ access control hardware. The modern user interface establishes a new standard for ease of use in managing an unlimited number of access points across any geography through a mobile device, tablet or modern browser. Pure Access brings new features and functionality to access control that fully leverage the power of our Pure IP™ hardware solution.

Applications

- Use in conjunction with ISONAS Pure IP readers (see data sheet 143)
- Use it to control existing Wiegand access control via Pure IP Bridge

Features and Functions

ISONAS Pure Access Cloud runs across multiple web servers behind a load balancer. If a server goes down or has issues a new web server automatically starts; creating a flawless experience to the user.

- Hosted by Amazon Web Services
- Guaranteed Up time 99.95%
- Multiple availability zones for redundancy
- If a loss of connection occurs to AWS, the ISONAS reader-controllers operate in local mode as usual.

WEB SERVER FARM   DATABASE/MESSAGE QUEUE

AWS

IP Bridge 2.0

Product Ref:	Description
PA-C-1-5	Pure Access Cloud, 1-5 door license, basic access control
PA-C-6-20	Pure Access Cloud, 6-20 door license, basic access control
PA-C-21-50	Pure Access Cloud, 21-50 door license, basic access control
PA-C-51-100	Pure Access Cloud, 51-100 door license, basic access control, active directory
PA-C-101-250	Pure Access Cloud, 101-250 door license, basic access control, active directory
PA-C-251	Pure Access Cloud, 251+ door license, basic access control, active directory
PA-C-RMR	Pure Access Cloud, Integrator RMR license with customer partitioning
PA-C-RMR-50	Pure Access Cloud, additional 50 tenants (only available for Integrator license)
PA-C-RMR-75	Pure Access Cloud, additional 75 tenants (only available for Integrator license)

ISONAS Pure Access
Access control software

Readily available

Pure Access Cloud is available anytime from anywhere. All you need is a device (desktop browser, table or smart phone) that can connect to the internet.

Access Point Configuration Wizard

Set up and configure your access points in a matter of minutes, reducing overall installation time and cost. The step by step process allows you to test the IP configuration and connectivity, the lock wiring and other accessories all from your mobile device.

Fully hosted access control platform

Provides peace of mind and elimates the need to support on-site hardware. ISONAS reader-controllers are pre-configured to the cloud and only require a network connection on your site, making your ISONAS system truly plug and play.

Simple and modern user interface

Intuitively add users, access points and rules with our drag and drop functionality. Simplified work flows provide an easy to use system that requires minimal training.

Customizable dashboards

Individual dashboard widgets allow you to customize how you monitor your system in real time. The responsive design provides a fully interactive monitoring capability from your mobile device, tablet or modern browser.

Secure communication

Pure Access Cloud provides end to end secure communication by using industry recognised best practices and encryption schemes for securing both access to our AWS infrastructure as well as securing communication and sensitive information.

Allegion (UK) Limited
35 Rocky Lane, Aston, Birmingham B6 5RQ

Tel: +44 (0) 121 380 2400