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Rhino
High Assurance
Smart Card Reader

Features That Make a Difference:

- Easy to deploy, flexible and highly secure authentication solution for physical access

- Networked smart card reader providing TCP/IP communication between reader and PACS host system

- Supports Software Houser RM Reader functionality

- Standard Wiegand inputs/outputs integrate with most Wiegand-based physical access systems on the market

- OSDP connectivity between reader and RS-485 card for a high level of security

- Highly protected in a durable, vandal-resistant aluminum housing to withstand harsh environments

Innometriks Rhino High Assurance Smart Card Reader is an easy to deploy and highly secure multi-modal reader that fuses smart card technology, embedded biometrics, public key infrastructure (PKI) and digital signature technologies for high security applications requiring multi-factor authentication. The Rhino Reader includes a card and biometric authentication, and is PIN-enabled.

Solid Architecture

The Rhino Reader's open hardware and software architecture provides room for expansion and upgrade. Support for multiple communication protocols bridges the gap between dated physical access control system technology and new IP-based technology.

Intelligent Reader Management

The Rhino Reader's U.S. Government credential configuration provides tiered authentication levels that meet the SP800-116 implementation guidelines. Tested and approved, the Rhino Reader is FIPS 201-certified, and is able to read TWIC cards. The Rhino empowers agencies to realize the full potential of Government issued credentials.

Advanced Smart Card and Biometric Authentication

The Rhino Reader's smart card configuration can be tailored to a wide variety of card types and card data formats including FICAM/FIPS-201 cards as well as MIFARE, DESFire, DESFire EV1 and EV2, and iCLASS. Biometric enrollments are linked to a card and synced to appropriate readers for dual-factor authentication and access. Alternately, templates may be stored on the card itself and read through a contactless transaction during an authentication.

With the fingerprint module, the biometric search configuration includes an ultra-fast search algorithm that provides true one-to-many fingerprint authentication and one-to-one PIN plus fingerprint. Enrollments are captured and stored in a central database for easy access with a template capacity of 10,000. The template images are synced to appropriate readers and stored for instant access. When the sensor is touched, an image is captured and compared against the entire template base to identify the individual. The event is then communicated to the PACS for instant access.
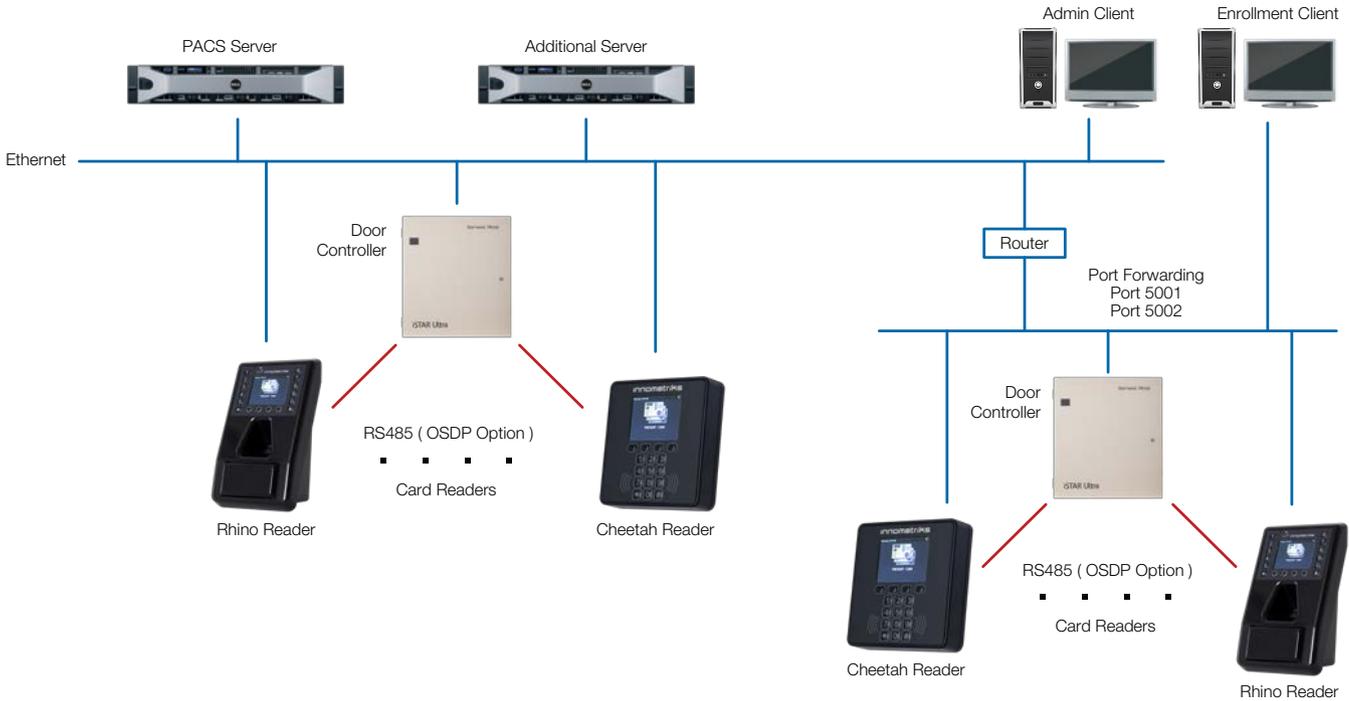
Proven in Tough Environments

Innometriks Rhino Reader can operate in both indoor and outdoor environments with a highly protective and durable, vandal-resistant aluminum housing. The reader can withstand harsh outdoor weather conditions and temperatures below -20°F with an optional extreme kit. A coated steel mounting bracket ensures that the reader is securely fixed to almost any surface. With a bright display, the reader can operate in low light conditions – day and night.

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Specifications

Power 12VDC, 750mA
Temperature . . . . -29°C to 50°C
Humidity . . . . 0-95% RH non-condensing
Weatherproof. . . . . Built to IP65 standards

System Architecture

Admin Client　　Enrollment Client

PACS Server　　　Additional Server

Ethernet

Door
Controller

Router

Port Forwarding
Port 5001
Port 5002

RS485 (OSDP Option)

Card Readers

Rhino Reader　　　Cheetah Reader

Door
Controller

RS485 (OSDP Option)

Card Readers

Cheetah Reader

Rhino Reader

Ordering Information

Model Numbers	Description
INN-RHNO	Rhino High Assurance Smart Card Reader, with keypad and LCD, no read head, indoor, with Lumidigm sensor
INN-RHNO-OD	Rhino High Assurance Smart Card Reader, with keypad and LCD, no read head, outdoor, with Lumidigm sensor
INN-RHNO-XT	Rhino High Assurance Smart Card Reader, with keypad and LCD, no read head, outdoor, with Lumidigm sensor and outdoor heater kit
INN-RHNO-XS	Rhino High Assurance Smart Card Reader, contactless, indoor, with Lumidigm sensor
INN-RHNO-XS-OD	Rhino High Assurance Smart Card Reader, contactless, outdoor, with Lumidigm sensor
INN-RHNO-XSODW	Rhino High Assurance Smart Card Reader, contactless, indoor, with Lumidigm sensor, white
INN-RHNO-XS-XT	Rhino High Assurance Smart Card Reader, contactless, indoor, with Lumidigm sensor and outdoor heater

Related Products

Cheetah Reader

ID Server

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