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Cheetah
High Assurance Smart Card Reader

PRESENT CARD

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 House RM Reader functionality

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

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

- Provides tiered levels of authentication in a modular design that can be updated in the field

Innometriks Cheetah High Assurance Smart Card Reader is a highly secure multi-modal reader that is modularized to keep pace with implementation paths recommended by NIST SP800-116, which provides Federal agencies and non-governmental organizations with risk-based guidelines for the incremental rollout of PIV-enabled access points. Cheetah's advanced architecture allow seamless integration with existing physical access control systems (PACS) and network environments. The Cheetah Reader network-based services allow you to manage enterprise installations from a central location using a secure browser. You can also manage all network-based firmware upgrades, use configuration files to easily set up and deploy large systems ensuring correct settings on each reader and remotely manage licenses.

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

Advanced Biometric Authentication
The Cheetah Reader's smartcard 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.

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.

Multiple Communication Interfaces
The Cheetah Reader supports multiple communication protocols including Wiegand In and Wiegand Out, Ethernet and RS-485, Relay NO/NC and TTL In and TTL Out for a wide variety of communication options depending on the system architecture.

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Specifications

Power 12VDC, 750mA
Temperature . . . . -7°C to 50°C
Humidity . . . . 0-95% RH non-condensing
Weatherproof. . . . . Built to IP65 standards

Cheetah Reader Modularity for Quick and Easy Deployment

The Innometriks Cheetah Reader provides tiered levels of authentication in its modular design, starting with its contactless module, the Cheetah Core. Additional models contain a contact card reader and/or biometric fingerprint reader. Start with the Cheetah Core, and then add new authentication modes by adding an extension module. Each mode is a true snap-in expansion module with autosense firmware that can be installed on site for quick and easy deployment.

Cheetah Core

Cheetah Core + Contact

Cheetah Core + Biometric

Cheetah Full Modal
(Core + Biometric + Contact)

Properties

Core	Core + Biometric	Core + Contact	Full Modal
PIV Authentication Mechanism	PIV Authentication Mechanism	PIV Authentication Mechanism	PIV Authentication Mechanism
Free Read CHUID	Free Read CHUID	Free Read CHUID	Free Read CHUID
CHUID Signature	CHUID Signature	CHUID Signature	CHUID Signature
Card Authentication Challenge	Card Authentication Challenge	Card Authentication Challenge	Card Authentication Challenge
		PKI/PAK/PIV Authentication Challenge	PKI/PAK/PIV Authentication Challenge
		PIV PIN verification	PIV PIN verification
	Biometric Authentication (server-based or card-based)		Biometric Authentication (server-based or card-based)

Ordering Information

Model Numbers	Description
INN-CHTA-RF	Cheetah High Assurance Smart Card Reader, core module, contactless
INN-CHTA-CT	Cheetah High Assurance Smart Card Reader, core with contact module
INN-CHTA-BIO	Cheetah High Assurance Smart Card Reader, core with biometric module
INN-CHTA-BIO-CT	Cheetah High Assurance Smart Card Reader, core with contact and biometric module (full modal)

Related Products

Rhino High Assurance
Smart Card Reader

ID Server

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