

Opening the Digital World

## **Smart Card Readers and FIPS 201 Logical and Physical Access**

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#### **Smart Card Reader/Writers and FIPS 201**

- Typical deployment
  - Enrollment and Issuing System
  - Registration System
  - Physical Access Control
  - Logical Access Control



#### **Enrollment, Issuing and Registration Systems**

- Requirements
  - Smart Card Reader/Writer -PC/SC Compliant for both
    - Contact chip
    - Contactless chip
- Specifications Contact Reader
  - ISO 7816
  - PC/SC
  - 344 Kbps transfer rate
  - USB interface



### Specifications – Contactless Reader

- ISO 14443 A/B
- PC/SC
- 848 Kbps transfer rate
- USB interface

Model SDI 010 - Available Now



#### **Authentication and Logical Access Systems**

#### Specifications –

#### **Contact Reader**

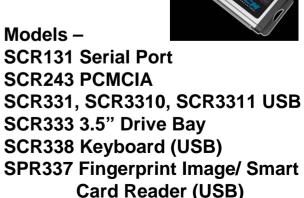
- PIV II compliant
- ISO 7816
- PC/SC
- 344 Kbps transfer rate
- USB, Serial Port, PCMCIA, Keyboard, and 3.5" Drive Bay interfaces

All models available today













#### **Physical Access**

- Requirements
- Contact or Contactless PACS Reader
  - ISO 7816, ISO 14443 A/B





- Conformance to PACS 2.2 Assurance Levels
  - Low -
  - Medium FIPS 140-2 SAM for key and crypto functions
  - High FIPS 140-2 SAM
    Full PIV Cert
    functionality



#### **Physical Access**

- Specifications
  - Contactless SC interface
    - ISO 14443 A/B
    - Conformance to
       PACS 2.2 Low and Medium

      Assurance Levels
  - Contact SC Interface
    - ISO 7816
    - Conformance to PACS 2.2 Low, Medium, and High Assurance Levels





Availability -

Contactless, Indoor – Now Contactless, Outdoor – November, 2005

Contact, Indoor, Low Assurance – Now Contact, Indoor – Low, Medium, High Assurance – November, 2005 Bob Merkert Vice President Sales – Americas PCS/DMV



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# Thank You





