

Hades III® USB V3

CAC/PIV/SIPR SMART CARD READER



90meter's most compact, cost effective, high performance PC/SC USB smart card reader for CAC/ PIV and High Assurance smartcards.



TAA Compliant - PC/SC • WHQL • EMV • CAC • FLASH Upgradeable • USB • Windows • Linux • Mac OS X

The **Hades III V3** travel lite family of smart card readers/writers offer the best cost and performance available today while assuring the highest level of compatibility.

Hades III is certified by both USB Implementers Forum and Microsoft WHQL. **Hades III** is low in cost but provides the quality and functionality that professionals require. This makes Hades III ideal for consumer use and large scale corporate and government smart card applications

Hades III USB V3 supports multiple smart card protocols under the PC/SC API, utilizing the USB 2.0 Full speed connection to increase reliability, communication speed and ease of operation. **Hades III USB V3** offers the absolute best price to performance ratio in the market.

Optimized for Smart card applications where high speed is essential such as Smart Card Logon, VPN and PKI operations.

Hades III USB V3 supports a wide range of protocols:

- **ISO7816**
- **T=0; T=1**
- **EMV**
- **I2C/Extended I2C Memory**
- **2/3 -Bus Protected Memory Cards**

Hades III USB V3 also offers a special EEPROM area for writing unique information for each reader or batch of readers.

Specifications

Hades III® USB V3 SMART CARD READER

Benefits

- Low Cost
- Lite weight and compact
- On-board flash provides seamless firmware upgrades in the field
- EMV Level 1 certified
- PC/SC certification
- High performance durability with 100,000 card cycles
- Compliant with all CAC/ PIV/ High Assurance Smart Cards
- Supports 5volt, 3volt and 1.8 volt Smart Cards
- Tested with all major Smart Cards in the market
- Full speed USB (12 Mbps)
- Bus powered device
- CCID compliant
- WHQL: Windows 7, Vista, XP, 2000, Windows Server 2008R2/ 2008 / 2003
- Linux and Mac OS X support

Smart Card Support

ISO 7816 T=0, T=1, EMV, CAC, 2/3 BUS I2C/Extended I2C memory cards.

Host Interface

USB 2.0 Full Speed 12Mbit/s

Card-Reader Communication

Up to 323 Kbps at 4 MHz.

Smart Card Acceptor

ISO 8 contacts. Landing type, friction 100,000 cycles.

Card Operating Voltage

5V (ISO7816 Class A), 3V (ISO7816 Class B), 1.8V (ISO7816 Class C)

Power Source

USB port

Safety & Environmental Standard

FCC Class B, VCCI, CE

Card Operating Frequency

4 MHz

Operating System Support

Win 7, Vista, XP, 2000 , Server 2008R2/2008/2003, Linux, Mac OS X (built in driver)

Smart Card Reader Approvals

Microsoft WHQL, PC/SC Compliant, USB Logo, EMV Level 1

Note: Supporting CAC/PIV cards requires that the 90meter Smart Card Manager client software is installed on the workstation.

