

# HYDRA PRIVACY CARD® Personal Encryption Device Designed For Secure Storage and Transfer of Confidential Information

## Like A Bank Vault In Your Pocket

The Hydra Privacy Card® Personal Encryption Device (PED) is much more than an encrypting USB flash drive. Encrypted files can be stored anywhere, not just on the device.

Think of a vault with individual safe deposit boxes. Even if safecrackers forced open the vault, they would still have to break into each box, one at a time. Like a bank vault, PED provides secure hardware-based protection and encrypts each file using a unique key.

**Mandatory file encryption** makes PED ideal for organizations with regulatory requirements to protect personally identifiable or mission-critical information, such as financial, healthcare, and government.

## Features and Benefits

- ▲ **Secure** USB encryption device.
- ▲ **Store encrypted data anywhere**—on the device, on a server, or in the cloud.
- ▲ **Infinite storage capacity**—uses replaceable microSD card for the **lowest cost per GB**.
- ▲ **Data Containment**—Even with the correct password, users cannot decrypt files encrypted by the PED unless it is connected to an authorized computer.
- ▲ Prohibit writing to rogue devices to **prevent data leakage**.
- ▲ Keys are generated in the device and **never exported or escrowed**.
- ▲ Quorum technology reconstitutes keys as required—they are **not stored** anywhere.
- ▲ Optional Sentry A-V **active anti-malware** delivers real-time

protection to stop malware and worms in their tracks.

- ▲ Implements **Suite B cryptography**, an interoperable cryptographic base for both unclassified information and most classified information.
- ▲ Files are automatically hashed, compressed, encrypted, sealed, and digitally signed to provide nonrepudiation assurance and protect data integrity by detecting cipher text or plaintext modifications.



## Technical Specifications

- **Capacity\***
  - Entombed 2GB, 4GB, 8GB, 16GB, 32GB
  - Replaceable standard or SDHC microSD cards for infinite capacity
- **File Encrypt/Seal/Decrypt/Verify Speed**
  - Up to 1.8 MB per second
- **Dimensions**
  - 3.2 x 0.5 x 0.9 inches
  - Custom design and packaging available, including raw epoxied PC board
- **Weight**
  - .8 oz (22 grams)
- **Temperature**
  - Operating: -20°C, +65°C
  - Storage: -40 °C, +85 °C
- **Interface**
  - USB 2.0 high speed
- **Operating System Compatibility**
  - Windows 2000 SP4
  - Windows XP SP2+
  - Windows Vista
  - Windows 7
  - Windows Embedded Standard
- **Multiple individually-validated FIPS 140-2 Level 3 security boundaries create a flexible and extensible architecture allowing continuous technology upgrades.**
  - Cryptographic operating system (SPYCOS®)
  - File encryption
- **Active Anti-malware**
  - Sentry A-V using McAfee anti-virus engine with auto-update
- **Encryption—Suite B on Board®**
  - File: AES CBC 256 bit
  - Encryption Keys: 256-bit hardware
  - Secure Channel: ECDH P-384 and AES 256
  - PKI Signing: ECDSA P-521 and lower
  - Hashing: SHA-384
- **Standards Compliance**
  - FIPS PUB 46 Data Encryption Standard
  - FIPS PUB 180-2 Secure Hash Algorithm Standard
  - FIPS PUB 197 Advanced Encryption Standard
  - SP 800-38A and 800-38E Modes of Operation

- SP 800-56A Key Establishment Guidelines
- SP 800-90 Random Number Generation



## How To Buy

- On the USCYBERCOM approved list
- On the DoD IDIQ—call or email [sales@spyrus.com](mailto:sales@spyrus.com)
- Federal and civilian agencies can source via DAR ESI/BPA reseller Autonomic Resources ([www.autonomicresources.com](http://www.autonomicresources.com)) #GS-35F-0587R
- Available in the USA from Amazon and from resellers worldwide.

For more information about SPYRUS products, visit [www.spyrus.com](http://www.spyrus.com) or contact us by email or phone.

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Specifications are subject to change without notice.

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\* Dependent on model and case option