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PocketVault P-384E

One Encrypting USB Device, Infinite Secure Storage

PocketVault P-384E is a revolutionary encrypting USB storage drive that provides virtually infinite memory capacity with removable Secured by SPYRUS™ microSD memory cards.

A single PocketVault P-384E can encrypt files on as many SPYRUS microSD cards as required to meet the operational and security policy requirements of your organization. This exclusive, patented SPYRUS USB storage design delivers the lowest cost of ownership compared to any commercially available secure USB memory drive.

The P-384E offers unmatched protection against cross-contamination of Data at Rest and Data in Use by providing physical media separation of application data sets such as client records, business presentations, and financial reports, or between business and personal data. Each data type can be stored on a separate SPYRUS microSD memory card. Absolutely no data movement is possible through an electronic memory partition.

PocketVault P-384E provides the most powerful data security protection offered for any commercial removable memory card.

Like the SPYRUS PocketVault P-384, P-384E is built using the same high assurance XTS-AES 256-bit mode that has become the standard for all full disk encryption platforms.

P-384E can be configured for the SPYRUS Enterprise Management System (SEMS), which can remotely disable and destroy devices, remotely reset passwords, enforce policy, audit transactions, and more.

Features and Benefits

- Unlimited storage capacity with replaceable Secured by SPYRUS microSD cards — mix multiple SPYRUS microSD cards in capacities from 2GB to 64GB.
- Physically separating data sets on different microSD cards provides the ultimate isolation, protecting against active Data-in-Use attacks on single-media memory partitions.
- Each SPYRUS P-384E microSD memory card must be inserted into the USB encrypting reader and requires a logon password for access to encrypt or decrypt data residing on that specific card.
- All data on a SPYRUS memory card is cryptographically paired with a single, specific USB drive, and that data can be decrypted only when the microSD card is in the same P-384E drive that encrypted the data.
- Each SPYRUS microSD card can be individually initialized with an optional “read-only” protection mode at logon. This prevents any data stored on the memory card from being written over and protects data in use from corruption by malware from untrusted machines or access by other users and applications.
- P-384E has the lowest cost per GB for encrypted memory storage and eliminates the need to purchase additional USB drives as portable peripheral storage needs grow.
- Encrypts for the life of your data. PocketVault P-384E implements XTS-AES 256-bit encryption and next-generation elliptic curve cryptography, an interoperable and stronger cryptographic base promoted for both unclassified information and most classified information.
- Keys are generated in the SPYRUS security hardware and are never exported or escrowed.
- Patent-pending technology reconstitutes keys as required—they are never stored anywhere.
- Multiple individually validated FIPS 140-2 Level 3 security boundaries create a flexible and extensible architecture allowing continuous technology upgrades.
- Cross-platform capability across Windows, Linux, and Macintosh.
- Enterprises and OEMs: you can customize the case design, material, colors, and imprinting to meet your needs.

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Technical Specifications

Capacity

Unlimited storage capacity using standard 4 GB, 8 GB, 16 GB, 32 GB, or 64 GB microSD memory cards provisioned by SPYRUS.

Speed

Read: Up to 20 MB/second

Write: Up to 13 MB/second

Case Dimensions

2.95 x 0.45 x 0.9 inches

Weight

0.8 ounces (22 grams)

Temperature

Operating: -20 ˚C, +65 ˚C

Storage: -40 ˚C, +85 ˚C

Interface

USB 2.0 high speed

Operating System Compatibility

Windows 8, Windows 8.1

Windows 7

Windows Embedded Standard 7

Windows Vista

Windows XP SP2+

Mac OS X 10.4 and above

Linux

Security

SPYRUS Cryptographic Operating System (SPYCOS®)

Sector-based encryption

Encryption

Suite B/Elliptic Curve Cryptography

Sector (FDE): XTS-AES 256-bit

Encryption keys: 256-bit hardware

Secure channel: ECDH P-384 and AES CBC 256

PKI signing: ECDSA P-521 and lower

Hashing: SHA-384

Certifications

FIPS 140-2 Level 3

Microsoft Partner
Gold OEM Hardware
Silver Independent Software Vendor (ISV)

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Document number 400-074003-02