



## SECURE SYSTEMS LIMITED

### SDV18A Laptop SDV – LD10d, SDV181B Laptop SDV – LU10d, and Pocket SDV – P10d

#### Product Description

The SDV is a hardware based solution that ensures all functions enforcing the security model during normal user operations are performed in a trusted domain separate from the host personal computer and operating system domains. The SDV provides data access control and secure storage of data on the protected hard disk drive (HDD). The SDV facilitates the separation of data allowing control of access to data based on user identity and defined access rights. This data separation uses the partitioning capabilities of the HDD as well as cryptographic separation of partitions to enable segregation and access control.

This consumer guide covers the following 3 models from the SDV product range:

Model	Description
SDV18A Laptop SDV – LD10d	The SDV is supplied as a 2.5" HDD replacement that connects to the PC via the IDE bus.
SDV181B Laptop SDV – LU10d	The SDV is supplied as a 2.5" HDD replacement that connects to the PC via the IDE bus.
Pocket SDV – P10d	The Pocket SDV consists of a USB enclosure in which an SDV is installed. The Pocket SDV is connected to a PC via an external USB 2.0 port.

#### Evaluation Scope

The scope of the DSD Cryptographic Evaluation included the following functionality:

- Pre-boot password based authentication
- Encryption of data

#### Common Criteria Certification – Summary

The product did not complete any ITSEC or CC certification, although a previous version of the product, on which this one is based, did complete CC and is currently listed on DSD's Evaluated Products List. See EPL listing for Silicon Data Vault Laptop Version SDV18A03-A2-003 and associated Security Target, CC Validation Report and consumer guide.

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## DSD Findings and Recommendations

DSD performed a cryptographic evaluation on the product in addition to the Common Criteria evaluation.

Users are advised to select passwords of suitable length and type. DSD recommends passwords of at least 12 characters in length with the requirement that the characters be drawn from upper case letters, lower case letters, number and punctuation characters.

System administrators of the SDV range of products may set the minimum password length for Users. DSD recommends that this length be set to 12 characters.

Whilst the product has not undergone an ITSEC or CC certification, DSD has conducted a detailed analysis of the SDV as part of a project by Secure Systems Limited to develop a High Grade hard disk encryptor. As a result of the analysis, DSD has identified that the SDV range of products can be used to reduce the classification of storage of data at rest as follows:

- IN-CONFIDENCE data is reduced to UNCLASSIFIED;
- RESTRICTED data is reduced to UNCLASSIFIED;
- PROTECTED data is reduced to UNCLASSIFIED; and
- HIGHLY PROTECTED data is reduced to UNCLASSIFIED.

## Contact

For further information regarding the certification, cryptographic evaluation or compliance with the *Information Security Manual* for the Secure Systems Limited SDV18A Laptop SDV – LD10d, SDV181B Laptop SDV – LU10d and Pocket SDV – P10d please contact DSD on (02) 62650197 or email [assist@dsd.gov.au](mailto:assist@dsd.gov.au).

## ISM 2009

The advice given in this document is in accordance with the *Information Security Manual* release date September 2009. Australian government agencies are reminded to periodically check the latest release date of the ISM at <http://www.dsd.gov.au/library/infosec/ism.html>.

## Consumer Guide

This consumer guide was issued on 3 May 2010 by DSD.