High Sec Labs SK41PHU-4, DK42PHU-4, SX42PHU-4, SX82PHU-4, SC42DHU-4, SC42PHU-4 Firmware Version 44444-E7E7 Peripheral Sharing Devices

Common Criteria Guidance Supplement

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Prepared by:

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1 PREPARATION OF THE OPERATIONAL ENVIRONMENT

1.1 OPERATIONAL ENVIRONMENT

For secure operation, users are required to ensure the following conditions are met in the operational environment:

- TEMPEST approved equipment may not be used with the secure peripheral sharing device
- The operational environment must provide physical security, commensurate with the value of the peripheral sharing device and the data that transits it
- Wireless keyboards, mice, audio, user authentication, or video devices may not be used with the secure peripheral sharing device
- Peripheral sharing device Administrators and users are trusted individuals who are appropriately trained
- Administrators configuring the peripheral sharing device and its operational environment follow the applicable security configuration guidance
- Special analog data collection cards or peripherals such as analog to digital interface, high performance audio interface, or a component with digital signal processing or analog video capture functions may not be used with the secure peripheral sharing device
- Microphones must not be plugged into the TOE audio output interfaces

2 SECURE ACCEPTANCE PROCEDURES

High Sec Labs (HSL) peripheral sharing devices may be purchased directly from HSL, or through distributors and resellers / integrators.

Upon receipt of the HSL peripheral sharing device, the customer can verify the configuration and revision by comparing the part number and revision on the packing list with the label on the back of the hardware unit. The nameplate includes the product part number (CGA) which is linked directly to the revision of the hardware components and firmware. Verification of the part number provides assurance that the correct product has been received.

The customer must download product documentation from the HSL website in Adobe Acrobat Portable Document Format (PDF). The customer can confirm that the documentation matches the purchased model.

Customers are instructed to check all delivered products for package container seals, and to verify that product tampering evident labels are intact. If an issue is discovered, the customer is instructed to return the product immediately.

3 SECURE INSTALLATION PROCEDURES

This section describes the steps necessary for secure installation and configuration.

3.1 SECURE INSTALLATION

Instructions for secure installation may be found in the Quick Installation Guides.

4 SECURE OPERATION

This section describes the steps necessary for the secure operation of the HSL Peripheral Sharing Devices.

4.1 USER ROLES

Instructions for users may be found in the Quick Installation Guides. Instructions for Administrators may be found in the HSL Administrator Guide.

Users may access switching capabilities. All functions noted in the Administrator Guide are limited to Administrators.

The HSL Administrator Guide mentions the ability to rename additional administrators. This feature is not available in the evaluated product.

4.2 SELF TESTS

A self test is performed at power up. Self test failures may be caused by an unexpected input at power up, or by a failure in the device integrity. A self test failure may also be an indication that the device has been tampered with.

A user may initiate a self test by following the procedures outlined in Table 1 for the applicable device type. In the case of a self test failure, users are directed to contact HSL Technical Support.

Device Type	Procedure
SK41PHU-4 DK42PHU-4 SX42PHU-4 SX82PHU-4	1. To enter self test mode, press and hold the channel 1 button, and power on the device. The channel indicators on the front panel light up sequentially, and the audio, video, keyboard/mouse and authentication device USB ports are disabled. 2. To exit self test mode, cycle the power.
SC42DHU-4 SC42PHU-4	1. To enter self test mode, press and hold the channel 1 button, and power on the device. The channel indicators on the front panel light up sequentially, and the audio, video, keyboard/mouse and authentication device USB ports are disabled. 2. To exit self test mode, cycle the power.

Table 1 – Procedure to Initiate a Self Test

4.3 SELECTED CHANNEL AT STARTUP

Channel 1 is selected by default when the peripheral sharing device is started or reset.

4.4 TIMESTAMPS

Each device includes a real-time clock powered by a battery. The time is set during production.

4.5   NUMBER OF SUPPORTED DISPLAYS

The number of supported displays is shown in the following table:

Device	Number of Supported Displays
SK41PHU-4	1
DK42PHU-4	2
SX42PHU-4	2
SX82PHU-4	2
SC42DHU-4	2
SC42PHU-4	2

Table 2 – Number of Supported Displays by Device

4.6   AUTHENTICATION DEVICE SWITCHING AND REMOVAL

An open authentication device session is terminated on removal of the authentication device, removal of the smartcard, or when the device is switched to a different computer.

4.7   EXTERNAL CONFIGURATION TOOL

The external configuration tool mentioned in the HSL Administrator Guide is not included in the evaluated product.