Adder AS-4CR Multi-Domain Card Reader

Firmware Version 40040-0E7

Common Criteria Guidance Supplement

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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

2 SECURE ACCEPTANCE PROCEDURES

Adder multi-domain card reader devices may be purchased directly from Adder, or through distributors and resellers / integrators.

Upon receipt of the Adder multi-domain card reader, 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 Adder 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 Start Guide.

4 SECURE OPERATION

This section describes the steps necessary for the secure operation of the Adder Multi-Domain Card Reader.

4.1 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. In the case of a self test failure, users are directed to contact Adder Technical Support.

Device Type	Procedure
AS-4CR	1. To enter self test mode, insert the card and power on the unit. The channels change and the channel indicators on the front panel light up sequentially. 2. To exit self test mode, cycle the power.

Table 1 – Procedure to Initiate a Self Test

4.2 SELECTED CHANNEL AT STARTUP

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

4.3 AUTHENTICATION DEVICE SWITCHING AND REMOVAL

An open authentication device session is terminated when the device is switched to a different computer.