



DSD'S CONSUMER GUIDE

## AVOCENT SWITCHVIEW SC SERIES SWITCHES

### Product Description

The SwitchView SC is a Keyboard / Video / Mouse (KVM) switch that permits a single set of human interface devices to be shared among two or more computers. Users who access secure and unsecure networks from one set of peripherals can rely on the SwitchView SC series of switches' unique architecture to keep their private data completely separate and secure at all times.

### Scope of Common Criteria Certification

The scope of the Common Criteria evaluation included all functionality of the devices.

The evaluated models are:

Model	Part Number	Functionality
SwitchView SC 1x4	520-147-505	4 port with VGA and PS/2
SwitchView SC 1x8	520-319-503	8 port with VGA and PS/2
SwitchView SC4 DVI	520-457-501	4 port with DVI and PS/2
SwitchView SC8 DVI	520-446-501	8 port with DVI and PS/2
SwitchView SC4 UAD	520-456-504	4 port with DVI and USB

Models approved for use but have been superseded are:

Model	Part Number	Functionality
SwitchView SC 1x4	520-147-004	4 port with VGA and PS/2
SwitchView SC 1x4	520-147-005	4 port with VGA and PS/2
SwitchView SC 1x8	520-319-003	8 port with VGA and PS/2
SwitchView SC8 DVI	520-446-001	8 port with DVI and PS/2
SwitchView SC4 UAD	520-456-502	4 port with DVI and USB

### Common Criteria Certification Summary

The product has met the requirements of the Common Criteria evaluation assurance level EAL4.

### DSD's Cryptographic Evaluation

Since there was no cryptography within scope of the Common Criteria evaluation DSD did not conduct a cryptographic evaluation.

### DSD's Recommendations

For Australian Government users it is recommended that the KVM be configured as per the Target of

Evaluation (TOE) for this certification. In addition, DSD makes the following recommendations:

- passwords used on systems attached to a KVM should not be the same;
- when switching between systems, the system not being used should be locked;
- when using only two systems on the SwitchView SC 1x4, ports A and C or B and D should be used;
- when using three systems on the SwitchView SC 1x4, the two closest systems in classification should use ports A and B or C and D;
- when using all ports on the SwitchView SC 1x4 the lowest classified system should be port A and highest classified system port D;
- when using the SwitchView SC 1x8 similar restrictions apply as the SC 1x4;
- when using the KVM switch for systems above RESTRICTED, or for HIGHLY PROTECTED, agency approved tamper evident seals should be placed on the casing;
- where possible label system classifications on the devices;
- do not daisy-chain switches; and
- do not use the audio functionality of the SwitchView SC4 UAD.

For example:

Low Side Processor		High Side Processor	
Port A	Port B	Port C	Port D
UNCLASSIFIED		RESTRICTED	
	UNCLASSIFIED		IN-CONFIDENCE
UNCLASSIFIED	IN-CONFIDENCE	HIGHLY-PROTECTED	
UNCLASSIFIED		PROTECTED	HIGHLY-PROTECTED
UNCLASSIFIED	IN-CONFIDENCE	PROTECTED	HIGHLY-PROTECTED

This product has been evaluated to EAL4, and as such, in accordance with ACSI 33, it can be used for switching between:

- IN-CONFIDENCE and UNCLASSIFIED networks; and
- RESTRICTED and IN-CONFIDENCE or UNCLASSIFIED networks.
- PROTECTED and RESTRICTED, IN-CONFIDENCE or UNCLASSIFIED networks;

For additional information regarding KVM usage for national security classifications above RESTRICTED, and for HIGHLY-PROTECTED, refer to blocks 3.10.56-57 of the SECURITY-IN-CONFIDENCE release of ACSI 33.

## Point of Contact

For further information regarding the certification of these products, or compliance with ACSI 33, please contact DSD on (02) 6265 0197 or email [assist@dsd.gov.au](mailto:assist@dsd.gov.au).

## ACSI 33

The advice given in this document is in accordance with ACSI 33 release date September 2007. Australian Government agencies are reminded to check the latest release of ACSI 33 at [www.dsd.gov.au/library/infosec/acsi33.html](http://www.dsd.gov.au/library/infosec/acsi33.html) to investigate if any changes have taken place.

## Date of this Consumer Guide

This Consumer Guide was issued by DSD on 03 December 2007.