

SwitchView® SC100 & SC200 KVM Switches Enhance Security at the Desktop



Proven and Secure Access for Any Environment

The Avocent SwitchView SC100 and SC200 KVM switch series offers proven, secure access for any desktop environment where security is mandatory. With USB Common Access Card (CAC) reader support (available on the SwitchView SC200 switches), three levels of physical security, and controlled USB connectivity, you can consolidate multiple workstations of varying security classification levels with one keyboard, monitor and mouse without compromising network security.

The SwitchView SC200 switches allow desktop IT administrators to deploy a single CAC reader that will switch to all computers connected to the switch. (CAC support is required for all government employees attempting to log in to government systems and is specified in the Homeland Security Presidential Directive 12 [HSPD12].)

Both the SwitchView SC100 and SC200 switches include three layers of tamper-proof hardware security at the desktop. In addition, SwitchView SC100 and SC200 switches ensure that only USB human interface devices (HIDs) function on target computers by constantly monitoring all devices attached to the console ports. These switches ignore communication from non-HIDs (such as flash drives, hard disk drives, cameras and printers) when switching data to the target. In situations where the only USB port(s) for HIDs are enabled on the target computer, the SwitchView SC switch will not introduce security vulnerabilities.

The SwitchView SC100 and SC200 switches offer support for USB and/or PS/2 peripherals and target computers.



SwitchView SC100 and SC200 switching solutions provide with three layers of tamper-proof hardware security. The SC200 switches add CAC support at the desktop.

SWITCHVIEW SC100 and SC200 SWITCH BENEFITS

- **CAC support.** USB Common Access Card (CAC) reader support in the SwitchView SC200 switch series.
- **Software security.** U.S designed firmware allows only keyboard and mouse human interface devices (HIDs) to switch to the target computers.
- **Three layers of hardware security:**
 - a) Tamper-evident tape:** A visual indication of an attempt to gain access to the internal components of the switch
 - b) Chassis intrusion detection:** Prevents malicious tampering with the switch. If the cover is removed from the switch, the switch becomes inoperable and the LEDs flash
 - c) Locked memory:** Prevents tampering and reprogramming of the firmware
- **Secure channels:** Two to eight secure channels
- **Clears buffer:** Automatically clears the keyboard buffer immediately after data is transmitted through the switch, so no data is ever left in the switch
- NIAP Validation to EAL4+ in process

Specifications

MECHANICAL

Size: 1.72" (4.37 cm)H, 10.36" (26.31 cm)W, 5.68" (14.43 cm)D
Weight: 2.3 lbs (1.04 Kg)
Style: Desktop

ENVIRONMENTAL

Operating Temperature: 32 to 104 F (0 to 40 C)
Storage Temperature: 4 to 122 F (-20 to 50 C)
Humidity: 10% to 95% (Non-condensing)

POWER

Operating Voltage: 100-240 VAC
Power Frequency: 50-60 Hz
Input: .8A

SUPPORTED HARDWARE

Target Devices: IBM, Sun, PC/AT, USB, PS/2 and 100% compatibles
Monitors: VGA, SVGA, XGA, SXGA, UXGA, WVGA, WSVGA, WXGA, WSXGA, AND WUXGA
Maximum Resolution 2048x1536 @ 85Hz
Peripherals: USB and/or PS/2 keyboard, USB and/or PS/2 mouse

Standards

Approved Agency: CE, UL 60950-1, CSA C22.2 No 60950-1, EN60950, FCC Part 15 Class B EN55022 Class B, EN55024 61000-3-3, VCCI Class B, C-Tick CISPR22, ICES-003

Ordering Details

PART NUMBER	MODEL	DESCRIPTION
SC120-001	SwitchView SC120	1x2 SwitchView SC switch PS/2, USB & VGA, intrusion detection
SC140-001	SwitchView SC140	1x4 SwitchView SC switch PS/2, USB & VGA, intrusion detection
SC180-001	SwitchView SC180	1x8 SwitchView SC switch PS/2, USB & VGA, CAC reader support, intrusion detection
SC220-001	SwitchView SC220	1x2 SwitchView SC switch PS/2, USB & VGA, intrusion detection
SC240-001	SwitchView SC240	1x4 SwitchView SC switch PS/2, USB & VGA, CAC reader support, intrusion detection
SC280-001	SwitchView SC280	1x8 SwitchView SC switch PS/2, USB & VGA, CAC reader support, intrusion detection

WARRANTY
Two Year

CAC support allows desktop IT administrators to deploy a single CAC reader that can be switched to all computers connected to the switch.

