Proven and Secure Access for Any Environment

The Avocent SwitchView SC420, SC440 and SC540 KVM switch series offers proven, secure access for any desktop environment where security is mandatory. With USB Common Access Card (CAC) reader support, 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. Dual link video offers uncompromising video quality up to 2560 x 1600 @ 60 Hz. Dual head video (SC540 only) supports the most demanding workstation requirements.

The SwitchView SC420, SC440 and SC540 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].) These switches include three layers of tamper-proof hardware security at the desktop. In addition, SwitchView SC420, SC440 and SC540 switches ensure that only USB human interface devices (HID's) function on target computers by constantly monitoring all devices attached to the console ports. These switches ignore communication from non-HID's (such as flash drives, hard disk drives, cameras and printers) when switching data to the target.

SwitchView SC420, SC440 and SC540 switching solutions provide three layers of tamper-proof hardware security and CAC support at the desktop

SwitchView SC420, SC440 and SC540 Switch Benefits

- NIAP Common Criteria validated to EAL4+.
- Software Security. U.S-designed firmware allows only keyboard, mouse and common access cards (CAC) human interface devices (HID) to switch to the target computers. Devices considered unsecure, such as flash drives or other mass storage devices, cameras and all other USB devices, are strictly prohibited by the switch firmware.
- Physical 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 (SC420) to four (SC440 & SC540) fully secure channels isolated to 60db. Safely switch between computers operating at different classification levels – without compromising network security.
- Clears buffer: Automatically clears the keyboard buffer immediately after data is transmitted through the switch, so no data is ever left in the switch.
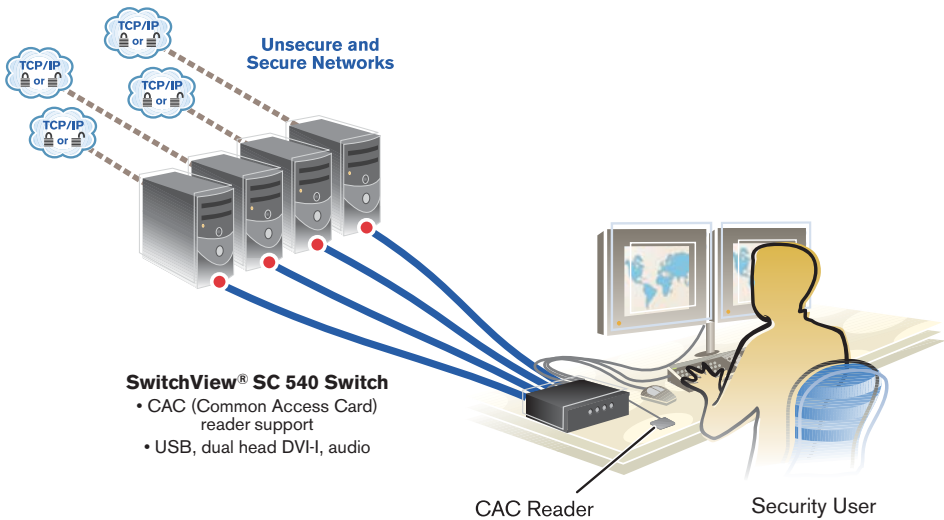
Part Number	Model	Description
Ordering Details		
SC420	SwitchView SC420	1x2 SwitchView SC switch, USB, DVI-I, audio
SC440	SwitchView SC440	1x4 SwitchView SC switch, USB, DVI-I, audio
SC540	SwitchView SC540	1x4 SwitchView SC switch, USB, dual head DVI-I, audio
Cables & Accessories		
CBL0025		USB keyboard and mouse, and DVI-I video cable and audio - 6 ft for the SC4UAD/SC420/SC440 switches
CBL0026		USB keyboard and mouse, and DVI-I video cable and audio - 12 ft for the SC4UAD/SC420/SC440 switches
CBL0027		USB keyboard and mouse, and DVI-I video cable - 6 ft for the SC4UAD/SC420/SC440 switches
CBL0028		USB keyboard and mouse, and DVI-I video cable - 12 ft for the SC4UAD/SC420/SC440 switches
CBL0046		USB keyboard and mouse, and dual head DVI-I video cable and audio - 6 ft for the SC540 switch
CBL0047		USB keyboard and mouse, and dual head DVI-I video cable and audio - 12 ft for the SC540 switch
CBL0048		USB keyboard and mouse, and dual head DVI-I video cable - 6 ft for the SC540 switch
CBL0049		USB keyboard and mouse, and dual head DVI-I video cable - 12 ft for the SC540 switch
VAD-27		Male DVI-I to Female HD15 VGA video adapter (console)
VAD-28		Female DVI-I to Male HD15 VGA video adapter (computer)
VAD-31		Dual link DVI-I to DVI-D adapter

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

TCP/IP or ▤

Unsecure and Secure Networks

SwitchView® SC 540 Switch
- CAC (Common Access Card) reader support
- USB, dual head DVI-I, audio

CAC Reader

Security User

Specifications

SWITCHVIEW SC420/440
Mechanical
Height: 1.875" (4.76 cm)
Width: 10.375" (26.35 cm)
Depth: 7.19" (18.26 cm)
Weight: 3.2 lbs. (1.45 Kg)

SWITCHVIEW SC540
Mechanical
Height: 2.563" (6.51 cm)
Width: 10.375" (26.35 cm)
Depth: 7.19" (18.26 cm)
Weight: 4.0 lbs. (1.8 Kg)

Environmental
Operating Temperature: 41 to 104 F (5 to 40 C)
Storage Temperature: -4 to 122 F (-20 to 50 C)

Power
Operating Voltage: 100-240 VAC
Power Frequency: 50-60 Hz
Input: 30 W

Supported Hardware
Computers: IBM, Sun, Mac, PC/AT, USB and 100% compatibles
Monitors: VGA, SVGA, XGA, SXGA, UXGA, QXGA, WVGA, WSVGA, WXGA, WSXGA, WUXGA, WQXGA, and HDTV
Peripherals: USB keyboard, USB mouse, USB CCID Smart Card reader or CAC reader and IntelliMouse® (USB only)

Standards
Approved Agency: C-TICK, cUL, ICES-003, Class A, CE3 , VCCI Class A, UL, FCC Class A, CE, Solaris Ready