Avocent® SwitchView™ SC 600 and SC 700 Switches

Enhance Security at the Desktop

SwitchView™ SC 600 and SC 700 Switches Benefits

- **NIAP Common Criteria** validated to EAL2+
- **Multiple layers of security**
  - U.S. designed firmware: Allows only keyboard and mouse human interface devices (HIDs) to switch to the target computers
  - Tamper-evident tape: Shows a visual indication of an attempt to gain access to the internal components of the switch
  - Locked memory: Prevents tampering and reprogramming of the firmware
- **Secure channels**
  - Two to eight secure channels
  - 60dB crosstalk isolation to prevent data leaks between adjacent ports
- **Clears buffer** Automatically clears the keyboard buffer immediately after data is transmitted through the switch, so no data is ever left in the switch

Common Criteria

Proven and Secure Access for Any Environment

The Avocent® SwitchView™ SC 600 and SC 700 KVM switch series offers proven, secure access for any desktop environment where security is mandatory. With its features: NIAP validated to EAL2+, multiple 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.

Both the SwitchView SC 600 and SC 700 switches include multiple layers of security including tamper-proof hardware security at the desktop. In addition, the secure switches ensure that only keyboard and mouse function on target computers by constantly monitoring all devices attached to the console ports. These switches ignore communication from all other USB devices (such as flash drives, hard disk drives, cameras and printers) when switching data to the target. In situations where the only USB port(s) are those enabled on the target computer, the SwitchView SC switch will not introduce security vulnerabilities.

The secure switches offer support for USB peripherals and target computers.



The SC 600/ SC 700 series is the first set of secure switches validated to the latest NIAP Protection Profile (version 2.1., September, 2010)

EMERSON Network Power

SwitchView™ SC 600 and SC 700 Switches

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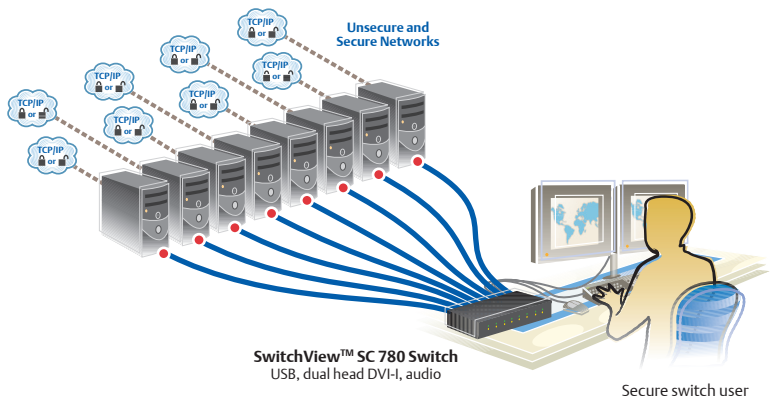
ORDERING DETAILS

PART #	MODEL	DESCRIPTION
SC620-xxx	SwitchView™ SC 620	1 user, 2 systems, SwitchView SC switch, USB, DVI-I (dual link), audio
SC640-xxx	SwitchView™ SC 640	1 user, 4 systems, SwitchView SC switch, USB, DVI-I (dual link), audio
SC680-xxx	SwitchView™ SC 680	1 user, 8 systems, SwitchView SC switch, USB, DVI-I (dual link), audio
SC740-xxx	SwitchView™ SC 740	1 user, 4 systems, SwitchView SC switch, USB, DVI-I (dual link, dual head), audio
SC780-xxx	SwitchView™ SC 780	1 user, 8 systems, SwitchView SC switch, USB, DVI-I (dual link, dual head), audio
Cables and Accessories		
CBL0025		USB keyboard and mouse and DVI-I video cable and audio - 6 ft. for the SC4UAD switch and SC 400/ SC 600 series switches
CBL0026		USB keyboard and mouse and DVI-I video cable and audio - 12 ft. for the SC4UAD switch and SC 400/ SC 600 series switches
CBL0027		USB keyboard and mouse and DVI-I video cable - 6 ft. for the SC4UAD switch and SC 400/ SC 600 series switches
CBL0028		USB keyboard and mouse and DVI-I video cable - 12 ft. for the SC4UAD switch and SC 400/ SC 600 series switches
CBL0046		USB keyboard and mouse and dual head DVI-I video cable and audio - 6 ft. for the SC 540/ SC 740 series switches
CBL0047		USB keyboard and mouse and dual head DVI-I video cable and audio - 12 ft. for the SC 540/ SC 740 series switches
CBL0048		USB keyboard and mouse and dual head DVI-I video cable - 6 ft. for the SC 540/ SC 740 series switches
CBL0049		USB keyboard and mouse and dual head DVI-I video cable - 12 ft. for the SC 540/ SC 740 series switches
CBL0052		USB keyboard and mouse and DVI-D video cable - 6 ft. for the SC4UAD switch and SC400/ SC 500/ SC 600/ SC 700 series switches
CBL0056		USB keyboard and mouse and DVI-D video cable - 12 ft. for the SC4UAD switch and SC 400/ SC 500/ SC 600/ SC 700 series swiches
CBL0084		USB keyboard, mouse & dual head DVI-D video cable & audio - 6 ft.
CBL0085		USB keyboard, mouse & dual head DVI-D video cable & audio - 12 ft.
CBL0090		USB keyboard, mouse & DVI-D video cable & audio - 6 ft.
CBL0091		USB keyboard, mouse & DVI-D video cable & audio - 12 ft.
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-30		Single link female DVI-I to male DVI-D video adapter(same as VAD29, but slightly thinner for limited space)
VAD-31		Dual link DVI-I to DVI-D adapter
VAD-32		Single link female DVI-D to male DisplayPort video adapter



Specifications

SWITCHVIEW™ SC 600

Mechanical

Height: 1.7" (4.32 cm)
Width: 10.4" (26.42 cm)
SC680: 17" (43.18 cm)
Depth: 7.2" (18.29 cm)
SC680: 9.2" (23.37 cm)
Weight: 3.2 lbs. (1.5 Kg)
SC680: 6 lbs (2.7 Kg)

Power

Typical Power Consumption
SC620: 4W (120V), 4.3W (240V)
SC640: 4.9W (120V), 5.3W (240V)
SC680: 4.9W (120V), 5.3W (240V)

Maximum Power Consumption
SC620: 9.2W (120V), 9.5W (240V)
SC640: 10.1W (120V), 10.4W (240V)
SC680: 10.1W (120V) 10.4W (240V)

SWITCHVIEW SC 700

Mechanical

Height: 2.4" (6.1 cm)
Width: 10.4" (26.42 cm)
SC780: 17" (43.18 cm)
Depth: 7.2" (18.29 cm)
SC780: 9.2" (23.37 cm)
Weight: 4 lbs. (1.8 Kg)
SC780: 7 lbs (3.2 Kg)

Power

Typical Power Consumption
7.2W (120V), 7.5W (240V)
Maximum Power Consumption
12.4W (120V), 12.5W (240V)

ALL MODELS

Environmental

Operating Temperature: 32 to 104 F (0 to 40 C)
Storage Temperature: -4 to 122 F (-20 to 50 C)

Power

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

Supported Hardware

Peripherals: USB keyboard and USB mouse only (per Common Criteria Protection Profile v2.1)

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

Warranty

Three years

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