VERTIV™

In demanding, fast-paced environments, such as emergency and utility control centers, professionals need to compare, integrate and use information from multiple systems simultaneously and in real time. Too often, this leads to a jumble of keyboards and mice on each user's desktop that creates a costly, cluttered and less than optimal work environment.

And for organizations where security is the top priority, including military and government organizations, financial institutions and health plan providers, carefully controlling desktop access is a must do.

The Vertiv Family of Desktop KM Switches

Vertiv Avocent® SVKM120 and SVKM140 Desktop KM Switches

This family of desktop switches provides a host of productivity features to simplify access to multiple sources of information in real time. A user can work simultaneously with multiple displays and systems using just a single keyboard and mouse.

Vertiv Cybex™ SCKM140 and SCKM145 Secure Desktop KM Switches

For environments requiring high security, these desktop KM switches combine the productivity features of the Avocent family with extensive high-security capabilities. Users can securely access multiple computers through a single switch.

The Vertiv™ family of KM switches delivers the ideal solution for streamlining access to critical information from multiple systems while maintaining high security. The Vertiv KM switches can support up to four systems with a single keyboard and mouse. In addition, the switches can be easily configured to support dual, triple or quad head monitor configurations, allowing the 4-port KM switch to support up to 16 monitors at once.

Vertiv™ Avocent® SVKM120 and SVKM140 Desktop KM Switches Drive Higher Productivity at Lower Cost

With support for almost any desktop environment, Vertiv Avocent SV120 and SV140 Desktop KM switches help your organization achieve greater productivity and lower capital equipment costs. All this functionality is available in an attractive console that occupies a space smaller than a keyboard and can be easily mounted underneath the desktop.

- **Cursor navigation switching** lets users switch control between systems by simply moving the mouse cursor from one display monitor to another. Both audio and keyboard follow the cursor from one computer to the next.

- I**nstant mouse and keyboard switching** via emulation assures zero delay when switching between systems.

- **Independent audio and USB switching** gives users the ability to freeze audio and USB devices to a specific channel so these feeds are maintained as the cursor switches between system monitors.

- **Managed copy and paste** allows content to be copied from one system to another. The user simply copies the content in one system, moves the cursor to another system's monitor and pastes the content into the second system. Copy and paste can be managed with built-in controls to specify what can be copied, such as allowing a user to copy numbers only in a specific format.*

- **High-speed mobile device charging port** provides a quick way to charge mobile phones and other devices.

- **Pre-set display configurations** are easily modified for specific environments, enabling flexible assignment of USB devices for each user.

SVKM140 Series
4-port Switch
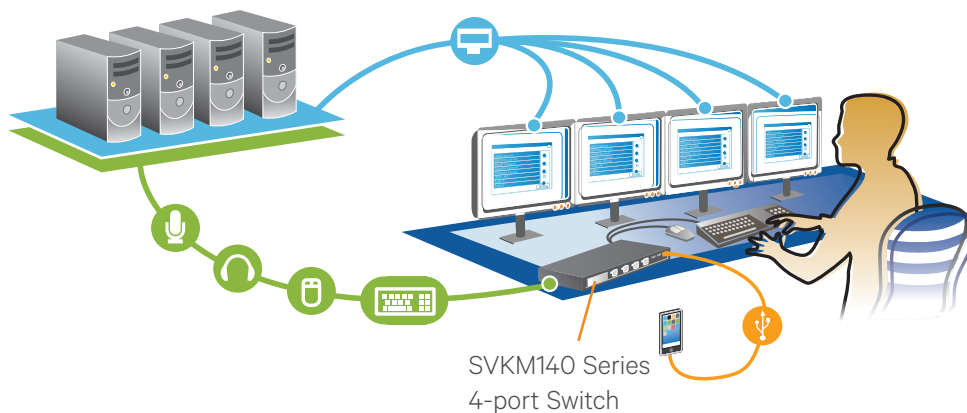
The Avocent SVKM and SCKM series of desktop KM switches help streamline connectivity so the information you need is right at your fingertips.

VERTIV DESKTOP KM BENEFITS

- Increase productivity with simultaneous access to all required information via cursor navigation switching.

- Reduce cost with access to multiple systems using a single keyboard and mouse.

- Support the mobile worker with instant access to mobile and USB device data and a high-speed mobile charging port.

- Simplify work with ability to copy and paste data between systems.*

Not supported by Cybex KM switches

Access Information in Real Time without Sacrificing Security with Cybex™ SCKM140 and SCKM145 Secure Desktop KM Switches

Regardless of size or IT resources, military and government departments, financial firms, emergency control centers and many other businesses have strict security requirements that must be followed. Where high levels of security are required, the Cybex Secure Desktop KM switches offer secure information access and exceptional control over the peripherals that can be used with a particular system.

These switches are designed to meet the stringent specifications of the U.S. government and certified to the latest NIAP protection profile for peripheral sharing switches version 3.0. The Cybex series provides most of the productivity features of the Avocent® KM switches along with the following high-security capabilities:

- **Unique NUM Lock, CAPS Lock and Scroll Lock indicators.** While the Cybex series maintains unidirectional data flow, it also provides indicators that alert users when the NUM Lock, CAPS Lock or Scroll Lock is on to improve ease of use.

- **Complete USB device filtering.** The types of USB devices that can be used with a system can be restricted, such as allowing only a mouse and keyboard to function on a target computer.

- **Peripheral isolation.** A unidirectional optical data diode for each channel assures data can flow from the USB device to the host computer only, providing complete network isolation.

- **Always-on anti-tampering system.** An active anti-tampering system and holographic tampering-evident labels alert the user if someone has attempted to physically penetrate the KM switch. The switch is permanently disabled once physical penetration is detected.

- **Support for USB authentication devices.** A CAC port provides secure connection to common access cards for authenticating users. An optional dedicated peripheral port supports additional types of authentication devices, such as facial recognition and fingerprint readers. Only Vertiv™ delivers a dedicated peripheral port certified to the latest National Information Assurance Partnership (NIAP) Protection Profile V3.0 for peripheral sharing switches.

- **Automated access prevention.** The Cybex KM switch monitors all the devices attached to it, ignoring access attempts by unauthorized USB devices, such as flash drives or cameras.

- **Discrete processing paths.** Isolated ports on the KM switch provide discrete processing paths to each system, preventing data leakage, transfer or crosstalk between adjacent ports. With these discrete paths, a single KM switch can support a mix of unclassified and unsecured systems.

- **Non-reprogrammable firmware.** One-time programming takes place at production only with no further modification allowed. Locked memory prevents attempts to alter the switch by reprogramming the firmware.

- **Support for Bloomberg keyboard.** Support for Bloomberg keyboards offers secure, instantaneous switching. Dedicated Bloomberg functions and special keys, such as audio, BSAT (Bloomberg Secure Access Technology) and LCD operate only on the relevant Bloomberg system.

- **No insecure keyboard buffering.** Hardware-based peripheral isolation loads all firmware on ROM with no keyboard buffering or memory. When data is transmitted to or from the desktop, the Cybex KM switch will automatically clear the buffer immediately after transmission, ensuring no data is ever left in the buffer where it could be compromised.

VERTIV™ CYBEX™ SECURE KM BENEFITS

- Reduce risk by controlling the types of peripherals that can be used to access computers and prohibiting access attempts by unauthorized devices.

- Certified to the latest NIAP protection profile for peripheral sharing switches version 3.0.

- Prevent communications security breaches with discrete processing paths that prohibit data leakage, enforce unidirectional data flow and prevent keyboard buffering.

- Further enhance security using USB authentication devices with the KM switch, including CAC, fingerprint and facial recognition devices.

- Simplify access and use with the ability to support a mixture of secure and unsecured systems through a single switch.

CAC Reader

SCKM145 Series
4-port Switch
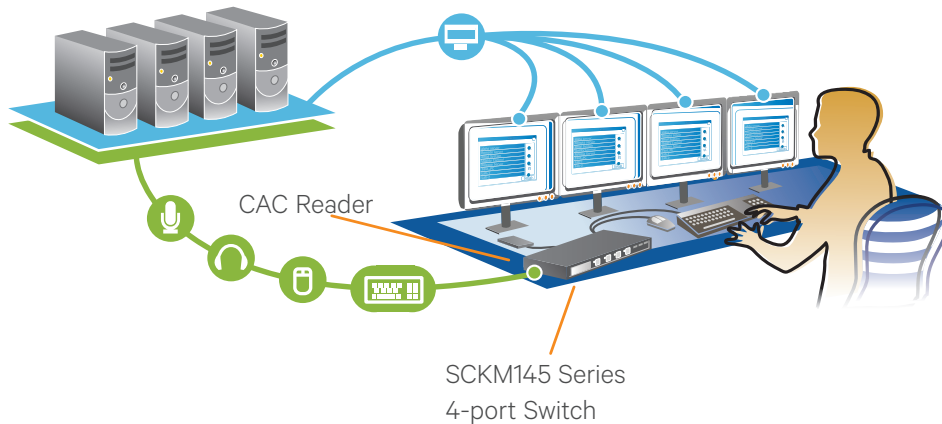
The Vertiv Cybex SCKM140 and SCKM145 Secure Desktop KM Switches enable secure, simultaneous monitoring and interaction of up to four different systems. Enhanced usability features like Cursor Navigation Switching allows the user to switch between systems by simply moving the cursor from one display to another.

Choose the Vertiv™ KM Switch That Best Meets Your Needs

Vertiv uses the most sophisticated technology and manufacturing process to ensure the highest performance and reliability in its desktop KM switches. The Vertiv KM series offers a wide range of models to suit the needs of your organization.

Avocent® SVKM 100 Series Desktop KM Switching Solutions

The Avocent SVKM 100 series provides industry-leading productivity and outstanding value. It is a great entry level system while the SVKM140 provides additional system and peripheral connections to meet the needs of larger, distributed organizations. Both systems can be used to streamline the desktop as a front end to one or more high performance solutions.

Avocent SVKM120

- 2 ports
- USB Keyboard and Mouse
- Cursor Navigation Switching
- Multiple Monitor Support and Presets
- Managed Copy-Paste

Avocent SVKM140

- 4 ports
- USB Keyboard and Mouse
- 3 front panel USB 3.0 ports
- High-speed charging port
- Cursor Navigation Switching
- Multiple Monitor Support and Presets
- Managed Copy-Paste

Cybex™ SCKM 100 series Secure Desktop KM Switching Solutions

The Cybex family of switching solutions brings industry-leading security to the desktop. The Cybex SCKM 100 series is ideal for intelligence, military, safety and security operations, where the integration of information from multiple sources is critical and security is non-negotiable. Both systems can be used to streamline the desktop as a front end to one or more high performance KVM systems.

Cybex SCKM140

- 4 ports
- Secure USB Keyboard and Mouse
- Full USB Device Filtering
- Active, anti-tampering system
- Unidirectional Optical Data Diodes
- Cursor Navigation Switching

Cybex SCKM145

- 4 ports
- Secure USB Keyboard and Mouse
- Dedicated Peripheral Port
- Full USB Device Filtering
- Active, anti-tampering system
- Unidirectional Optical Data Diodes
- Cursor Navigation Switching

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