

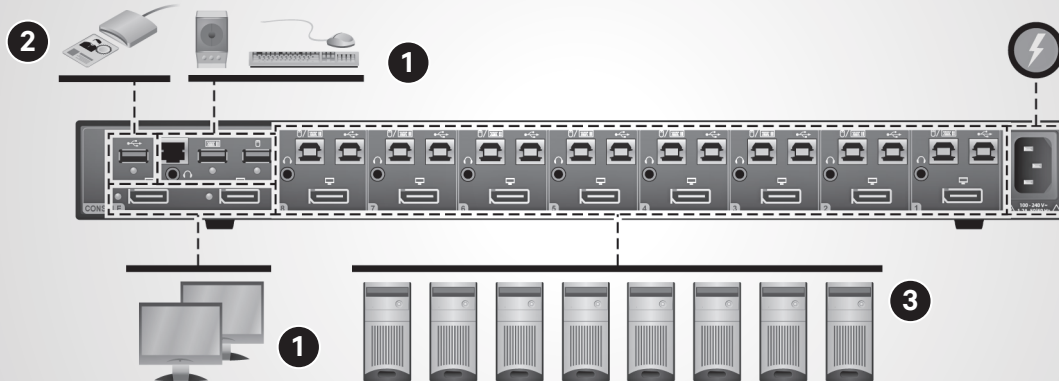
CYBEX™ SC SERIES SECURE SWITCHES

SCM100DPH DESKTOP MATRIX

Quick Installation Guide



Cybox™ SCM185DPH KVM Switch Shown



Before installing your secure desktop matrix switch, ensure the following:

- The front panel is visible to the user, unless using the Cybox™ Active Front Panel (AFP) KVM remote unit.
- The tamper-evident labels are all intact.

WARNING: The switch is equipped with active intrusion protection. Tampering may permanently disable the switch and void the warranty. If the enclosure appears to have been tampered with, or if all the port LEDs flash sequentially, contact Technical Support. Broken or removed tamper-evident seals void the warranty.

1. Connecting local peripherals

Ensure all computers and displays are turned off.

Plug the display cables into the CONSOLE primary (1) and secondary (2) display ports on the back of the switch. The switch uses a combination DisplayPort (DP) and HDMI connector to enable either video format to be used as input or output.

Plug the USB keyboard and mouse cables and speaker or headphone cable into the appropriate CONSOLE ports on the back of the switch.

NOTE: Do not connect a microphone, including a headset with an integrated microphone, to the switch's audio output port.

If desired, connect the Cybox™ Active Front Panel (AFP) KVM remote unit to the RCU port to control your switch remotely. Contact your Vertiv representative for more information.

NOTE: For security reasons, the switches do not support wireless devices.

2. Connecting a Dedicated Peripheral Port (DPP) device (if applicable)

Connect a USB device, such as a smart card reader, to the blue USB Type-A CONSOLE port on the back of the switch. The device must be compliant with USB 1.1 or 2.0 standards and included in the administrator-defined list of recognized devices.

NOTE: By default, the DPP supports authentication devices, such as smart card and biometric readers. Other devices must be specifically whitelisted. Refer to the Cybox SC-SCM Switching System Additional Operations and Configuration Technical Bulletin for more information.

3. Connecting each computer

Connect a USB cable from each computer to the keyboard/mouse USB Type-B port on the switch.

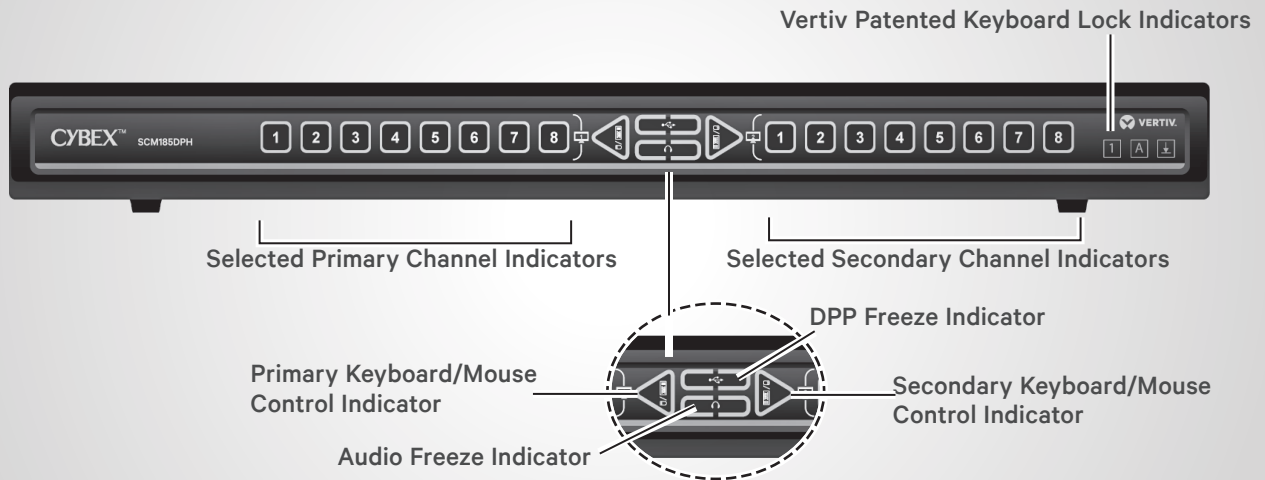
Plug the display cable from the corresponding computer into the appropriate port on the switch.

If applicable, connect an audio cable from the computer's audio output to the switch's audio input.

If using DPP, connect a second USB cable from the computer to the second USB Type-B port on the switch. Repeat for all computers.

NOTE: The USB cables must be connected directly to a free USB port with no hubs or devices in between.

Front Panel of the Cybex™ SCM185DPH KVM Switch Shown



4. Turning on the displays, switch and computers

NOTE: Installation of local peripherals to the switch console must occur prior to powering up the switch.

Turn power on to the connected displays.

Using an appropriate wall-socket adaptor, plug in the provided power adaptor or cable into the switch, and plug the other end into a wall outlet.

The keyboard, mouse and DPP LEDs indicate an approved device is connected and ready for use. Each LED illuminates solid green a few seconds after power is applied.

- Off - no device detected
- Blinking - device is rejected
- On - device is approved

The video diagnostic LED indicates the Extended Display Identification Data (EDID) information has been successfully read from the display and stored in memory. The EDID is only read in the

first few seconds after the switch is powered on.

- Off - no EDID detected
- Blinking - reading EDID
- On - EDID received

NOTE: Vertiv recommends using displays with the same native resolution. However, if you are using different resolution displays, connect the lower native resolution display to console video port 1. EDID is only read from console video port 1 in the first few seconds after the switch is turned on. Hot-plugging or swapping displays while the switch is on is not supported. To change a display, power cycle the KVM switch.

Turn on the computers. Ensure the peripherals for each computer are connected and working properly. Repeat for all computers.

5. Switching between computers

Press the appropriate front panel buttons on the switch to select a computer for the

primary and secondary displays. The buttons of the selected computers illuminate.

Keyboard/mouse, audio and DPP focus can be switched between the primary and secondary computer with the center control buttons.

Cursor navigation switching, enabled by default, switches keyboard/mouse focus between the primary and secondary displays by pressing and holding the CTRL key and moving the mouse across the display edge.

IMPORTANT: To comply with the Common Criteria evaluation and to prevent unauthorized access to the switch, the default administrator username and password must be changed prior to initial use.

Cables

Use Vertiv cable kits with your switch to ensure optimal security and performance.

Contact a Vertiv representative for ordering details.

To contact Vertiv Technical Support: visit www.Vertiv.com

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