



BLACK BOX[®]

NETWORK SERVICES

USB KVM-Switch

Key Features

- ▶ Compatible with USB-enabled PCs.
- ▶ Compatible with SUN Blade 100, SUN Fire, and other USB-enabled SUN computers.
- ▶ Compatible with MAC G3/G4s. Supports MAC soft (keyboard) power-on.
- ▶ Fully compliant with (1.0, 1.1) USB standards.
- ▶ USB SUN start-up keys are supported.
- ▶ SUN extra keys are emulated on USB keyboards with Windows keyboard layouts.
- ▶ Brilliant video resolution: 1280x1024@75Hz.

USB KVM-Switch – control up to 32 USB Computers with one USB Keyboard, USB Mouse and VGA Monitor

The USB-KVM-Switch family from BLACK BOX allows a user to control up to 32 USB computers with one USB keyboard, USB mouse and VGA monitor. Dedicated internal microprocessors emulate keyboard & mouse presence to each attached CPU 100% of the time so all computers boot error-free. It features true autoboot USB switching - all attached USB PCs, MACs and SUNs can be booted simultaneously. Other USB KVM Switches on the market require individual, sequential boot-up.

OSD Control

The models with On Screen Display (OSD) allow a user to name the CPUs connected to the KVS5xxAE-O switch and connect to them using that name from a single keyboard and mouse. The OSD is positioned on the user's monitor, displaying 8 CPU names at a time. The screen can be used for switching as well as editing the CPUs' names. Through the OSD menu, the user can operate the KVS5xxAE-O switch to have the switch cycle through 2 extended modes of operation: COMMAND and SCAN. Two LEDs on the front panel indicate when these modes are enabled.

OSD Security Administration

The security features of the optional OSD Control allow an administrator to restrict access to the KVS5xxAE-O models using a set of eight user names, and to control access to individual CPUs separately for each user. Security can be activated from the Maintenance Mode Menu with a successful administrator login for verification purposes. Furthermore, the administrator can set a maximum idle time value after which the current user will be logged out and the login screen displayed. This time out does not function while the OSD is active. The current security status, idle time out, and scan dwell time are all saved and will be restored whenever power to the switch is cycled OFF, then ON.

Keyboard-to-Computer Translation

The USB KVM-Switches enable a mixture of otherwise incompatible peripheral computer components to be connected together. This is accomplished by performing keyboard-to-computer translations automatically (i.e. translate a MAC keyboard and mouse to a Windows type CPU). The chart below shows the key commands that will be recognized and translated for the different types of CPUs. Following the chart below, find the character desired to type or function to be performed, then follow the row across for the key or series of keys to press on the keyboard currently in use.

WINxx or Mac Keyboards

SB + F1
SB + F2
SB + F3
SB + F4
SB + F5
SB + F6
SB + F7
SB + F8
SB + F9
SB + F10
SB + F11
SB + F12
SB + Up
SB + Down
SB + Left
SB= Space Bar

Sun Extra Keys

Stop
Again
Props
Undo
Front
Copy
Open
Paste
Find
Cut
Help
Compose
Arrow Volume +
Arrow Volume -
Arrow Mute

Power Key Emulation

Win95 Keyboards	Mac CPU	Sun CPU
SB+RT Arrow	Power	Power

Specifications

Hosts — female USB Type B connector; SUN Blade 100, 1000, SUN Ray & SUN Fire 280R; PCs with USB-enabled OS (Win 98/2000/XP) and USB ports; PCs with USB-enabled BIOS (legacy USB support) and USB ports; any MAC with OS X and USB ports.

Keyboard — female USB Type A connector; compatible with most USB keyboards; Keyboard & mouse are hot-pluggable.

Monitor — video resolution: 1280x1024@75Hz; female 15 pin HD connectors; a multiscan VGA monitor is

required to display the different video outputs from different platforms; Bandwidth 150 MHz.

Mouse — female USB Type A connector, compatible with most USB mice, including USB IntelliMouse.

Power — external AC Adapter; 220 VAC at 50Hz.

CPU Switching Methode — use the keyboard to command the switch box to select ports or configure the SCAN delay or press front button.

Ordering information

ITEM	CODE
USB KVM-Switch, 1:8	.KVS508AE
USB KVM-Switch, 1:12	.KVS512AE
USB KVM-Switch, 1:16	.KVS516AE
USB KVM-Switch, 1:24	.KVS524AE
USB KVM-Switch, 1:32	.KVS532AE
USB KVM-Switch, 1:8, OSD	.KVS508AE-O
USB KVM-Switch, 1:12, OSD	.KVS512AE-O
USB KVM-Switch, 1:16, OSD	.KVS516AE-O
USB KVM-Switch, 1:24, OSD	.KVS524AE-O
USB KVM-Switch, 1:32, OSD	.KVS532AE-O
Server-Cable USB KVM-Switch, 0.9m	.EHNS05-0003
Server-Cable USB KVM-Switch, 1.8m	.EHNS05-0006
Server-Cable USB KVM-Switch, 3.0m	.EHNS05-0010
Server-Cable USB KVM-Switch, 4.5m	.EHNS05-0015

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