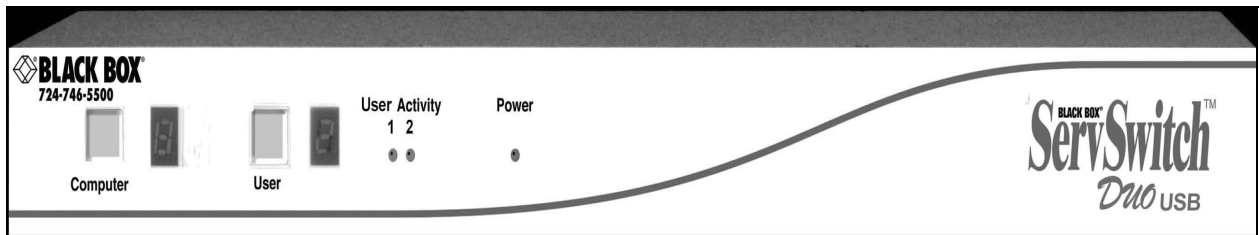


BLACK BOX[®]

NETWORK SERVICES



Key Features

- **USB Keyboard/Mouse Control**
- **Multi-Platform PS/2, Sun, USB (Sun, Mac, PC)**
- **Standard PS/2,VGA Interface connectors**
- **Completely flash-upgradable**
- **High Video Resolution 1600x1200x85Hz, DDC compliant**
- **19"-rackmountable**

Product Overview, Explanations

The **ServSwitch UNO USB** is a 1x8 KVM switch with support for USB keyboard and mouse peripherals on the user console. It provides USB keyboard and mouse protocol emulation. This means that it does not support any other USB peripherals connected to the switch but keyboards and mice!

The CPU ports are layed out with standard PS/2 and VGA receptacles. For standard PS/2-PCs or servers no proprietary cables are needed. For all CPUs with USB Keyboard and Mouse interfaces the programmable EHN428-0006 cable may be used. It converts Mac-USB and SUN-USB into PS/2 signalling to feed into the switch. It works for USB PCs as well.

Older Sun workstations or servers with MiniDIN 8-pin connector for keyboard and mouse use EHN429-0006 cables for conversion. Keep-alive function and keyboard language support are mandatory.

To allow two users simultaneous access to 8 or 16 CPUs the **ServSwitch DUO USB** comes in two variations.: The 2 user 8 CPU **DUO USB** (KV6608SA) takes 1U of rack space. The 2 user 16 CPU **DUO USB** takes 2U.

Compatibility

Both **UNO** and **DUO USB** are fully compatible with their sister models **UNO**, **DUO** and **QUADRO**. So the **UNO** and **DUO USB** can be used as master units in a seamless cascade with these!

Management:

The intuitive OnScreenMenu provides comfortable switching between the connected servers from the keyboard or even mouse! Max. 512 CPUs can be named individually for easy differentiation and selection.

Up to 16 User profiles guarantee secure operation by granting access to only privileged administrators.

Via the serial options port (DB9F , RS-232) all profiles and CPU names can be down-/uploaded to/from a PC.

The same options port also allows RS-232 controlled port switching.

Upgrades:

Upgrading the switches firmware is also handled through the serial options port. A little utility helps writing the latest software into the flashable EEPROM of the **UNO** USB or **DUO** USB.

Software upgrades are free of charge and available on the Black Box homepage.

Multi-Head Graphic Support:

The serial options port allows to be used for synchronized switching of multiple UNO,DUO, QUADRO, UNO USB or DUO USB switches to support multiple graphic outputs per CPU e.g. Dual-Head or Quad-Head Graphic adapter cards.

Technical Specifications

UNO USB (KV6508SA)

Mechanical	Height: 44mm (1,73") Width: 439mm (17,3") Depth: 221mm (8,7") Weight: 2.5kg (5,2 lb)
Environmental/Power	Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC/0,4A, 5VDC/10W ext. power supply Power frequency: 50-60 Hz
Ports	Server ports: 8, each 2x MiniDIN 6-pin female, 1x DB15 HD female User ports: 1, with 2x USB Type A female, 1x DB15 HD female Terminal port : 1, DB9 F , RS-232 serial

DUO USB 8-Port (KV6608SA)

Mechanical	Height: 44mm (1,73") Width: 439mm (17,3") Depth: 221mm (8,7") Weight: 2.5kg (5,2 lb)
Environmental/Power	Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC/0,4A, 5VDC/10W ext. power supply Power frequency: 50-60 Hz
Ports	Server ports: 8, each 2x MiniDIN 6-pin female, 1x DB15 HD female User ports: 2, each with 2x USB Type A female, 1x DB15 HD female Terminal port : 1, DB9 F , RS-232 serial

DUO USB 16-Port (KV6616FA)

Mechanical	Height: 89mm (3,46") Width: 439mm (17,3") Depth: 221mm (8,7") Weight: 3.5kg (5,2 lb)
Environmental/Power	Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC/0,4A , 5VDC/10W ext. power supply Power frequency: 50-60 Hz
Ports	Server ports: 16, each 2x MiniDIN 6-pin female, 1x DB15 HD female User ports: 2, each with 2x USB Type A female, 1x DB15 HD female Terminal port : 1, DB9 F , RS-232 serial

Ordering Information

ServSwitch UNO USB 1 User x 8 CPUs Switch	KV6508SA
ServSwitch DUO USB 2 User x 8 CPUs Switch	KV6608SA
ServSwitch DUO USB 2 User x 16 CPUs Switch	KV6616FA

PS/2 CPU cables

2x MiniDIN 6 male, 1x DB15HD male to 2x MiniDIN 6 male, 1x DB15 HD male

1,5m	EHN408-0005
3,0m	EHN408-0010
6,1m	EHN408-0020
9,1m	EHN408-0030
15,2m	EHN408-0050

USB CPU cables:

1x USB Type A male, 1x DB15HD male to 2x MiniDIN 6 male, 1x DB15 HD male

2m	EHN428-0006
5m	EHN428-0016
10m	EHN428-0035

Sun CPU cables

1x MiniDIN 8 male, 1x DB15HD male to 2x MiniDIN 6 male, 1x DB15 HD male

2m	EHN429-0006
5m	EHN429-0016
10m	EHN429-0035

ServSwitch Uno/Duo USB package contents

- 1 x ServSwitch Uno USB or ServSwitch Duo USB
- 1 x Power supply incl. IEC 320 power cord suitable for your country.
- 2 x rack mount brackets.
- 4 x screws for fixing rack mount brackets to the sides of the ServSwitch
(KV6616FA is supplied with 6 screws).
- 1 x CD-ROM containing the manual (in PDF format).