

ServSwitch EC with Built-In IP for PS/2® and USB Servers and PS/2 or USB Consoles

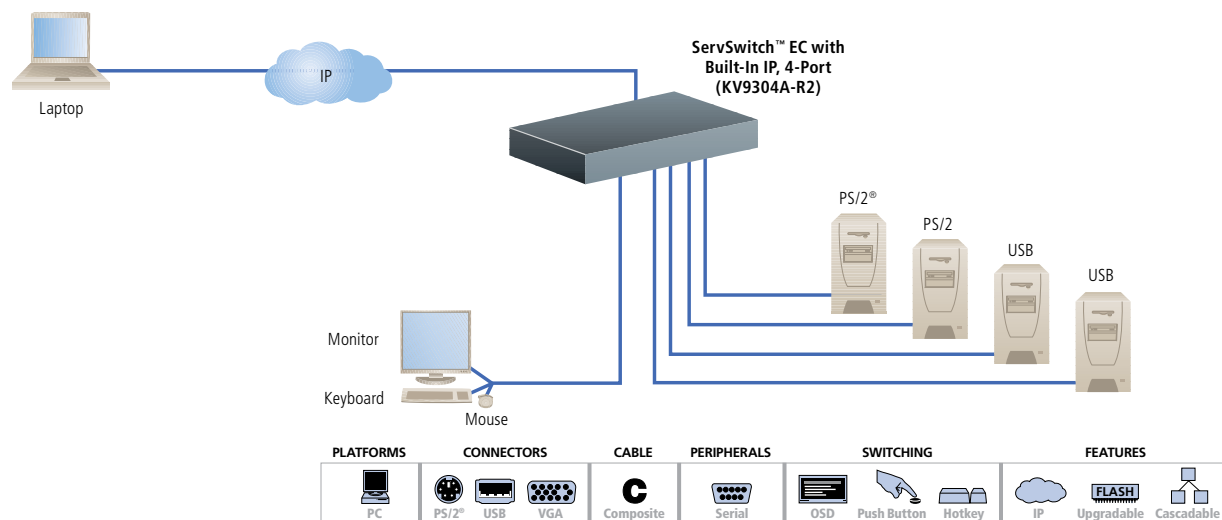
One local or one remote user
can access this 4-, 8-, or 16-port
PC-only KVM switch.



FEATURES

- » Local maximum resolution of 1600 x 1200 at 85 Hz.
- » Remote maximum resolution of 1280 x 1024 at 85 Hz.
- » Connect remotely via VNC Client or Java™ enabled Web browser.
- » Supports PS/2® or USB style keyboard and mouse.
- » Flash upgradable.
- » RoHS compliant.
- » VNC connection opens automatically after login.
- » Dual-function Reset button enables you to reset power or reset everything back to the defaults.
- » New, exclusive IP-On-Screen Display (OSD) feature makes setup simple. Simply press the IP Setup button to bring up the IP-OSD.
- » The system administrator can now personalize preference settings for each user.
- » SNMP manageable.
- » Select from 8, 12, or 16 bits of color depth.
- » Different sizes of screen snapshots are now available.

Access up to 16 servers across any IP network.



OVERVIEW

Overcome KVM distance limitations at an economical price by using your Ethernet network and the [ServSwitch™ EC with Built-In IP for PS/2 and USB Servers and PS/2 Consoles](#) or the [ServSwitch™ EC with Built-In IP for PS/2 and USB Servers and USB Consoles](#). The switch enables you to use your Web browser to easily and securely access and control remote servers remotely across any TCP/IP network as if they were local. You can even use the Internet to manage servers from home or on the road. And with the new dual-function Reset button, you can perform a power reset or reset all settings back to the defaults.

Remote or local switching is made easy. The switch is compatible with any Java enabled Web browser. Just open the browser, enter the IP address of the switch, and select the server you wish to access. What's more, this ServSwitch EC is also fully compatible with Virtual Network Computing (VNC) viewers, and a VNC connection opens automatically after login. You can also switch from a local workstation using on-screen menus or hotkeys.

The ServSwitch EC with Built-In IP for PS/2 and USB Servers and PS/2 Consoles or ServSwitch EC with Built-In IP for PS/2 and USB Servers and USB Consoles doesn't skimp on security either. You get all the features you're looking for, such as SSL encryption, SSH tunneling, and RADIUS authentication.

Setup is now even simpler. Simply press the IP Setup button to bring up the new IP On-Screen Display (OSD) feature. It leads you step by step through the setup process without the need to study the manual. Following setup, on-screen menus enable you to set up password-protected user accounts.

And because different user accounts may have different preferences, you can now personalize preferences for each user. Users (other than the administrator) can't make changes to the system but can access the Web interface and log into the VNC console. You can also set user accounts to time out after they've gone unused for a specified amount of time.

Additionally, the switch features an internal firewall that, when enabled, causes the ServSwitch EC to only accept logins from listed hosts.

When a new firmware version is released, it's easy to upgrade the flash memory. Check your firmware version and update via easy on-screen menus.

The [ServSwitch EC with Built-In IP for PS/2 and USB Servers and PS/2 Consoles](#) or the [ServSwitch™ EC with Built-In IP for PS/2 and USB Servers and USB Consoles](#) integrates easily into your SNMP-managed network. Just use the SNMP menu to configure the switch to be recognized and managed using industry-standard SNMP software.

You can connect an equal-size or smaller-size ServSwitch EC non-IP slave unit to a master unit ServSwitch EC with IP. Thus, a 16-port master switch can connect to both 16- and 8-port slave units, and 8-port master units can connect to 8- and 4-port slave units. Once connected, all units automatically configure themselves as master or slaves. The 16-port unit can support up to 136 servers when you cascade 8 16-port slave units.

All three models now feature flexible color depth. Choose between 8, 12, or 16 bits. What's more, you can also take screen snapshots of varying sizes.



KV9316A-R2: top: front view;
bottom: rear view



KV9408A top: front view;
bottom: rear view

OVERVIEW (Continued from page 2)

The ServSwitch EC with Built-In IP is rackmountable in only 1U of space. Rackmounting hardware is included.

TECH SPECS

Resolution (Maximum) — Local: 1600 x 1200 @ 85 Hz;
Remote: 1280 x 1024 @ 85 Hz (16-bit color)

CE Approval — Yes

Connectors —

All:

Monitor: (1) HD15 F;

Keyboard: KV930xA-R2: (1) 6-pin mini DIN F;

KV940xA: (1) USB Type A;

Mouse: KV930xA-R2: (1) 6-pin mini DIN F;

KV940xA: (1) USB Type A;

Ethernet: (1) RJ-45;

Serial RS-232 (DTE): (1) DB9 M;

8- and 16-Port Modules: (1) R-port with KV9-SRL module;

KV9304A-R2 and KV9404A also have: (4) HD15 F server ports;

KV9308A-R2 and KV9408A also have: (8) HD15 F server ports;

KV9316A-R2 and KV9416A also have: (16) HD15 F server ports;

Future use: (1) 8-pin mini DIN

Indicators — LEDs: (1) Link Activity, (1) System Status, (1) Ethernet Activity,
(1) System Okay

Power — 115 VAC, 60 Hz, external

Size — KV9304A-R2, KV9404A: 1.7"H x 7.3"W x 8.7"D (4.3 x 18.5 x 22.1 cm);

KV9308A-R2, KV9316A-R2, KV9408A, KV9416A: 1.75"H (1U) x 15.9"W x
8.7"D (4.4 x 40.4 x 22.1 cm)

What's included

- ◆ ServSwitch EC with Built-In IP
- ◆ Power adapter with (1) AC cord
- ◆ (1) DB9 RS-232 null-modem serial cable
- ◆ Set of foot pads
- ◆ 19" rackmount kit with screws
- ◆ User's manual

Item

Code

ServSwitch™ EC with Built-In IP
for PS/2® and USB Servers and PS/2 Consoles

4-Port

KV9304A-R2

8-Port

KV9308A-R2

16-Port

KV9316A-R2

ServSwitch™ EC with Built-In IP
for PS/2® and USB Servers and USB Consoles

4-Port

KV9404A

8-Port

KV9408A

16-Port

KV9416A

For your server connections, order...

ServSwitch Server Cables for EC Series

PS/2

6-ft. (1.8-m)

EHN70001-0006

10-ft. (3.0-m)

EHN70001-0010

15-ft. (4.5-m)

EHN9000P-0015

30-ft. (9.1-m)

EHN9000P-0030

USB

6-ft. (1.8-m)

EHN9000U-0006

10-ft. (3.0-m)

EHN9000U-0010

15-ft. (4.5-m)

EHN9000U-0015

To add a serial device, order...

Serial Module

KV9-SRL

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

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