ServSelect III

KV22016E

Features

- **New low-cost PS/2® and USB cables.**
- **Choose from three operation modes.**
- **Provides 1600 x 1280 resolution.**
- **Convenient on-screen menus.**
- **Built-in password protection and keep-alive functionality.**
- **Flash upgradable.**
- **Rackmountable (Ears included).**

With the ServSelect™ III 1x 8, 2 x 8 and 2 x 16, up to two users can access up to 16 servers and network devices. Plus you can cascade up to 16 ServSelect III units to control up to 128 or 256 servers in your system! Simply put, the ServSelect III is ideal for IS departments where up to two people need access to multiple servers.

The two-user switches come with a pair of analog port sets to accommodate two monitors and a pair of PS/2® keyboards and mice. Both users can control, switch between, troubleshoot, and reboot all connected servers and other ServSwitch™ units at a time.

Convenient on-screen menus.
Intuitive on-screen menus enable you to configure your system and select servers and other switches. You can easily identify each server by a unique name, ID number, or port number.

Three operational modes enable you to manage your switching activities: Scan, Broadcast, and Switch.

In Scan mode, the ServSelect III sequentially displays the status of up to 16 servers on-screen. You select which servers are scanned in a sequence and how many seconds each is displayed.

In Broadcast mode, a user can simultaneously control more than one server to ensure that all selected servers receive the same input.

In Switch mode, either user can select and share any server at any time.

Keep-alive power safeguards, password protection, and more.
The ServSelect III is equipped with robust features that will keep your system running and secure. BIOS-level access ensures connection to the attached servers, regardless of the servers' health or their operating system. What's more, the ServSelect III's keep-alive safeguard enables the attached servers to continue functioning even if the switch experiences a power failure.

Protect your system with a screen-saver password for each user. When a user station is unused for a period of time, the monitor enters a screen-saving mode and can only be unlocked by typing a password.

The ServSelect III is also flash upgradable, which means it's built for your system's future. Upgrade your firmware at any time by using the switch's simple update utility.

Optimal video resolution.

You get optimal 1600 x 1280 resolution for analog VGA, SVGA, and XGA when you connect a user station to the ServSelect III with a 3m cable. Keep in mind that the longer the cable, the lower the resolution. For example, resolution is a maximum 800 x 600 when the connection is 15 m.
Using solidwire AWG24 Cat 5 cable support even 1280x1024 resolution at 15m

Although the system adjusts automatically to the optimal video parameters, you can fine-tune the image manually and set refresh and frame rates. The ServSelect III supports Display Data Channel (DDC) Plug-and-Play, which autoconfigures the monitor and is compliant with the VESA DDC2B standard.

The genius of ServSelect III Cables.

Make connections to individual servers with nonflashable ServSelect III Cables. These CAT5 cables provide keyboard, video, and mouse connectivity. Simply connect a cable's RJ-45 end to your ServSelect III and the other end to your server.

Mulitplatform connectivity.

To connect VT100™, PS/2, USB, or Sun servers more than 15 feet (4.5 m) from your ServSelect III, order our ServSelect Server Access Modules (SAMs). Powered by their connected servers, the modules "keep alive" even if the ServSelect IP loses its power. Order one for each switch-to-CPU connection.

The modules feature built-in KVM connectors. All you need is CAT5 cable to link your ServSelect III with these modules. All ServSelect SAMs are flash upgradable to keep your system up to date.

Don't need access for two users?
If only one person needs to access up to eight servers, see the 1 x 8 version (KV21008A) of the ServSelect III.

Specifications

CPUs Supported — IBM® PC/AT®, PS/2, and compatibles
Mice Supported — IBM Scrollpoint®, Kensington® 4-button, Logitech® Marble FX, Logitech
Mouseman Wheel, Logitech Trackman Marble Wheel, Microsoft® IntelliMouse®, Microsoft Explorer
Operating Environment — Temperature: 50 to 122° F (10 to 50° C);
Humidity: 20 to 80% noncondensing
Resolution (Maximum) — 1600 x 1280 at 75 Hz
Video Supported — DDC2B, VGA, SVGA, XGA, XGA2 (with adapter)
CE Approval — Yes
Connectors — Analog users: Keyboard and mouse: (2/4) 6-pin mini DIN F; Video: (1/2) HD15 F;
CPUs/servers: (8) or (16) RJ-45;
Interconnect: (1) RJ-45;
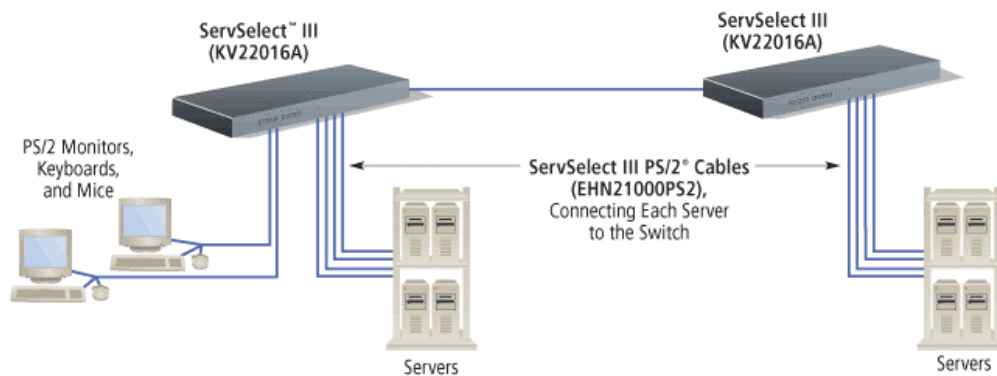Serial port: (1) DB9 M (RS-232) for Flash-ROM upgrades;
Power: (1) IEC 320
Power — 100–240 VAC, 50–60 Hz, autosensing
Size — 1.75"H (1U) x 17"W x 11"D (4.4 x 43.2 x 27.9 cm)
Weight — 8 lb. (3.6 kg)

Application Diagram

NOTE: US versions have order code KV21008A, KV2208A and KV22016A international versions KV21008E, KV22008E, KV22016E.

Buying Tips

NOTE: Legacy Sun video connections require an ACD002-R2 adapter.

NOTE: The VT100 Style Server Access Module (KV123A) requires a (PS123A) power supply.

These products work with:
- ServSelect™ IP (KV120A–KV121A) Questions? Contact our FREE Tech Support.
- ServSelect™ IP VM (KV2116E–KV4116E) Questions? Contact our FREE Tech Support.
- ServSelect™ II (KV2016E) Questions? Contact our FREE Tech Support.

Ordering Information

ServSelect™ III KVM Switch	Code #
1 User x 8 Ports	KV21008E
2 Users x 8 Ports	KV22008E
2 Users x 16 Ports	KV22016E
For each server connection, you need…	
PS/2® Style ServSelect III Cables ([1] HD15 Male, [2] 6-Pin Mini DIN Male, [1] RJ-45 Male)	
7-ft. (2.1-m)	EHN21000PS2-0007
10-ft. (3.0-m)	EHN21000PS2-0010
15-ft. (4.5-m)	EHN21000PS2-0015
USB Style ServSelect III Cables ([1] HD15 Male, [1] USB Type A Male, [1] RJ-45 Male)	
7-ft. (2.1-m)	EHN21000USB-0007
10-ft. (3.0-m)	EHN21000USB-0010
15-ft. (4.5-m)	EHN21000USB-0015
To connect to servers more than 15 feet (4.5 m) away, order…	
ServSelect Server Access Modules (SAMs)	
VT100™ Style	KV123A
PS/2 Style ([1] HD15 Male, [2] 6-Pin Mini DIN Male)	KV125A
USB Style ([1] HD15 Male, [1] USB Type A Male)	KV126A
Sun® Style ([1] HD15 Male, [1] 8-Pin Mini DIN Male)	KV127A
For the VT100 Style Server Access Module, you'll need a…	
Power Supply	PS123A
Legacy Sun video connections require a…	
13W3 Male to HD15 Female Adapter	ACD002-R2

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-toend service.

On-line — receive technical knowledge on-line, including technology overviews, Black Box Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

Contact us worldwide:
www.blackbox.com