BLACK BOX®

NETWORK SERVICES

ServView II and ServView II Ultra
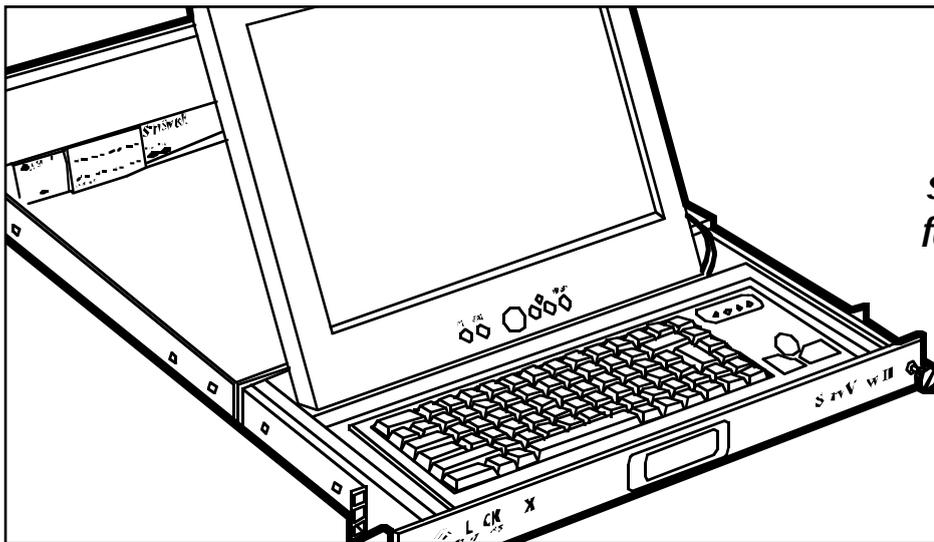
A keyboard, mouse, monitor, and KVM switch in a 1U rack tray for powerful data-centre CPU control.

Key Features

▶ *Laptop-style keyboard, monitor, and mouse touchpad in a 1U-high drawer for a 19" rack.*

▶ *Most models also include a ServSwitch family KVM switch.*

▶ *Monitor is a 15" (38.1-cm) or 17" (43.2-cm) thin-film transistor (TFT) display.*

▶ *Supports 1024 x 768 or 1280 x 1024 resolution at up to 75 Hz.*

▶ *30.25" (76.8 cm) deep; can be extended to a maximum depth of 51" (129.5 cm).*

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You have your computer CPUs mounted just the way you want them. You're making the best use you can of the premium space in your data centre. But your people need to be able to manage those CPUs in that same room, and that will take a keyboard, a monitor, a mouse, and maybe a KVM switch too. Where can you put *those*?

How about in just 1U (1.75", 4.4 cm) of vertical space in a 19" rack? Our ServView II and ServView II Ultra are a keyboard, monitor, and mouse in a drawer tray that folds closed and slides into a space that small. And most models include a slimline 8-port ServSwitch™ family KVM switch as well.

We offer 10 models of the ServView II:

• The basic models (product code KVT122A and KVT130A) don't include a KVM switch. They're well suited for attachment to a

single CPU or to a KVM switch that you already own.

• The KVT123A and KVT131A include a regular ServSwitch for applications with one user station and IBM® PC compatible CPUs only.

• The KVT124A and KVT132A include a PC-only Matrix ServSwitch for applications with two user stations and PC compatible CPUs.

• The KVT125A and KVT133A include a ServSwitch Ultra for applications with one user station and PC, Mac®, or Sun® compatible CPUs.

• The KVT126A and KVT134A include a multiplatform Matrix ServSwitch for applications with two user stations and PC, Mac, or Sun compatible CPUs.

In the ServView II (KVT120 series) models, the single-sync monitor measures 15" (38.1 cm);

it supports only 1024 x 768 resolutions at up to 75 Hz, so you'll need to set your CPUs or your KVM switch to output video at this resolution.

In the ServView II Ultra (KVT130 series) models, the multisync monitor measures 17" (43.2 cm); it supports most resolutions up to 1280 x 1024 at up to 75 Hz.

The monitors in both the ServView II and ServView II Ultra are thin-film transistor (TFT) displays, like the screen of a laptop computer.

When it's in the closed position, the ServView II and ServView II Ultra measure 30.25" (76.8 cm) deep. To extend one from the front of the rack so that it can be used, loosen its two retaining screws (one at each end of its front panel) and pull it out like a regular drawer, to a maximum back-to-front depth of 51" (129.5 cm).

With the models that include a Matrix ServSwitch, you can have one user station for your CPUs in a server room and another user station on someone's desk.

ServSwitch Brand CAT5 KVM Extender (ACU1001A)

Local unit mounted w/ RMK19U kit

Remote unit

ServView II with multiplatform Matrix ServSwitch (KVT134A), serving as a local user station

Remote user station

PC CPUs

Sun CPUs
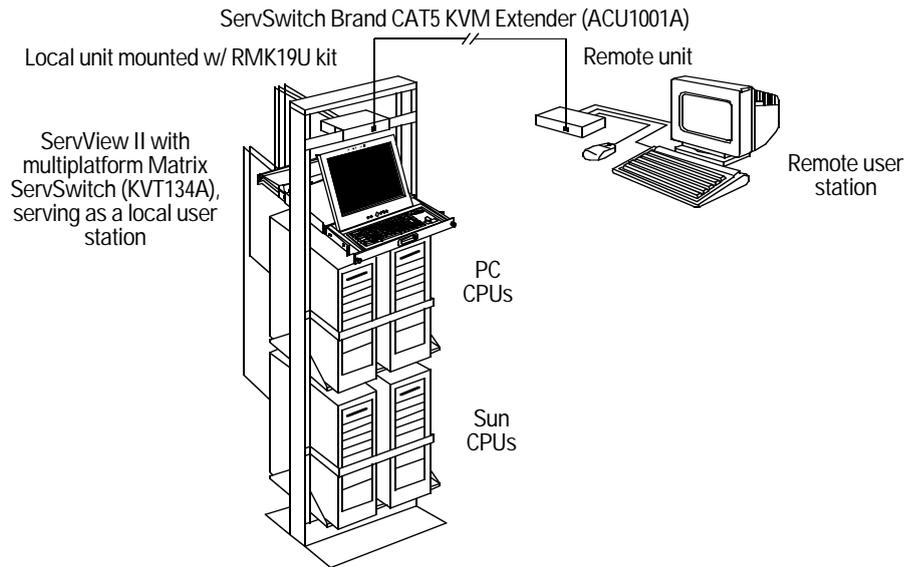
The complete package

At the time of this writing, the ServView II should come with these things:

- Main tray assembly.
- (1) User Cable for all models that include a KVM switch.
- (1) AC power-input cord for the ServView II's TFT. All models that include a KVM switch will also include (1) AC power-input cord for the switch.
- (1) 3.5" diskette with monitor-installation software for all models that include a monitor (not included with the ServView II Ultra).
- (1) Hard copy manual for the ServView II's keyboard and trackball.
- (1) Hard copy manual for any KVM switch that comes with your model. Only the specifications, instructions, and instructions for the ServSwitch product code listed with your model in **Ordering Information** on page 3 will apply.
- Various information sheets and other documentation. As new versions of Windows are released, addenda for the software manuals might be included that describe how to install the software for those OSes.
- (10) $^{10}/_{32}$" rackmounting screws and cage nuts (eight are required for assembly, two are extra).

The components that come with your ServView II might vary and are subject to change without notice.

Specifications

Here are some of the specifications for the KVM tray part of the ServView II:

Compliance: CE; FCC Part 15 Subpart B Class B, IC Class/ classe B

Display Type: Flat-panel thin-film transistor (TFT)

Display Size:
ServView II: 15" (38.1 cm);
ServView II Ultra: 17" (43.2 cm)

Display Resolution and Refresh Rate:
ServView II: 1024 x 768 at 75 Hz (fixed);
ServView II Ultra: Up to 1280 x 1024 at up to 75 Hz

Tray Size: 1.75"H (1U) x 19"W x 30.25"D (4.4 x 48.3 x 76.8 cm); when opened for use, can be extended to a maximum depth of 51" (129.5 cm)

Tray Weight:
KVT122A: 37.7 lb. (17.1 kg);
All other models: Approx. 43 lb. (19.5 kg)

For specifications for the ServView II's integrated KVM switches, refer to the FaxBacks for their standalone versions.

Ordering Information

ITEM	CODE

ServView II
   Keyboard and Mouse with 15" [38.1-cm] Single-Scan Display
      Basic (with No KVM Switch)...KVT122A
      with 8-Port Slimline Regular ServSwitch (KV3108SA-R4)..KVT123A
      with 8-Port Slimline PC-Only Matrix ServSwitch (SW742A-R3)..KVT124A
      with 8-Port Slimline ServSwitch Ultra (KV5008SA-R2) KVT125A
      with 8-Port Slimline Multiplatform Matrix ServSwitch (SW762A-R3)..KVT126A
ServView II Ultra with 17" (43.2-cm) Multiscan Display
   Basic Model (with No KVM Switch)..KVT130A
   with 8-Port Slimline Regular ServSwitch (KV3108SA-R4)..KVT131A
   with 8-Port Slimline PC-Only Matrix ServSwitch (SW742A-R3) KVT132A
   with 8-Port Slimline ServSwitch Ultra (KV5008SA-R2) KVT133A
   with 8-Port Slimline Multiplatform Matrix ServSwitch (SW762A-R3)...KVT134A

You might want to call Black Box Tech Support for help determining your best options for CPU cabling, as well as AC-power backup and protection

ServView Keyboard and Mouse & LCD Monitors

Keyboard/trackball trays available without the monitor.
Or order a multiscan LCD panel to add to your server room.

Key Features

▶ *Fit in a standard 19" cabinet or rack with 28" to 36" depth.*

▶ *Include mounting rails.*

▶ *All are attached to easy-slide drawers that fit in 1U of space.*

▶ *Keyboard and mouse unit includes a full-size keyboard and an integrated trackball.*

▶ *Fine-tune monitor images with front-panel controls.*

▶ *Monitors consume less energy and include power management.*

▶ *Monitors are Plug-and-Play compatible.*

What's Included:

- Main tray assembly with either the ServView Keyboard and Mouse or the ServView LCD Monitor
- ServView LCD Monitor only: (1) AC power-input cord
- (10) $^{19}\!/_{32}$" rackmounting screws and cage nuts (eight are required for assembly, two are extra)
- (1) Users' manual

The components might vary and are subject to change without notice.

If you need just a rackmountable keyboard/mouse or monitor for data centre CPU management, then consider these options from Black Box. As with our other ServView solutions, they enable you to make the most of available space at the rack or cabinet.

ServView Keyboard and Mouse

The ServView Keyboard and Mouse (KVT110A) is like our ServView II Basic (**pages 1–3**) but doesn't include a monitor. So, if you like your current monitor but you'd prefer a more compact keyboard/mouse setup, just order the KVT110A. You can also use it with one of our multiscan ServView LCD Monitors.

Designed for heavy-duty use, the keyboard/mouse offers all the benefits of a high-performance, ergonomic keyboard in a minimum amount of space. Both keyboard and mouse trackball are built into a mountable tray that fits in just 1U (1.75", 4.4 cm) of vertical space within a 19" (48.3-cm) rack or cabinet. It also features an extremely low profile of less than an inch. Just slide it into the rack or cabinet when you're done using it. The front panel on the ServView Keyboard and Mouse conceals it when it's not in use.

The drawer features a full-size keyboard that has gold-plated key switches with a lifetime of 20 million key presses. Keys are spaced 18 mm apart to make typing comfortable.

To allow for the drawer's space-saving design, the numeric keyboard has been moved and incorporated into the main alphanumeric block. Numeric keys for "4" and "5," for example, now occupy a second legend on the "U" and "I" keys. When the keyboard's NumLock LED is lit and the Pad LED is extinguished, these secondary functions can be enabled by depressing the "Fn" key while using them.

The integrated trackball controls the on-screen pointer and provides easy mouse movement. Its buttons operate the same as left and right mouse buttons.

With the four included mounting rails, the drawer installs easily in a standard 19"-wide cabinet or rack and can be set for 28" (71.1 cm) to 36" (91.4-cm) depths.

To attach the keyboard/mouse to your system (PS/2® only), simply switch off your computer system, plug the violet-colored PS/2 jack into your system's keyboard jack, and plug the green PS/2 jack into the mouse jack on the keyboard. It's now ready to use! The included cable can be stretched more than 5 feet (1.5 m) to reach your CPU connections.

The ServView Keyboard and Mouse can also be attached to a KVM switch.

ServView LCD Monitors

Installed on the same type of drawer as the ServView Keyboard and Mouse, the ServView LCD Monitors enable you to bring monitor functionality to your server room without sacrificing a lot of room or video quality. Place these lightweight monitors at any height within a 19" rack or cabinet for optimal viewing.

With its flat screen, the easy-to-view liquid crystal display (LCD) takes up less space than conventional cathode ray tube (CRT) monitor screens. What's more, there's no screen flicker, so ServView LCD Monitors are easier on the eyes. Light passes through filtered glass and liquid crystals to produce the video image.

Because LCD monitors consume less power and generate less heat, they're a good solution for equipment-dense rack or cabinet installations where maximum airflow is valued.

We have three LCD Monitors to choose from. If you require only occasional monitor viewing, the 15"

model may be your best choice. But if you're active in your server management and require higher resolution, our 17" and 19" models may be more ideal for you. They feature a maximum resolution of 1280 x 1024 and an 85-Hz refresh rate (the 15" model has a top resolution of 1024 x 768 and a 75-Hz refresh rate). All models use amorphous silicon (a-Si) thin-film transistors (TFTs) for their LCD.

When you need to use your monitor, just slide the ServView LCD Monitor out of its cabinet, tilt up the panel, and go to work. This is especially convenient when you have to access computers that are installed in nearby cabinets. When you're finished using it, simply fold the panel down and slide the drawer back into the rack or cabinet. Its front panel conceals the monitor unit when it's not in use.

Offering easy setup, the ServView LCD Monitor works with any Plug-and-Play compatible system, which can configure itself for use with the panel automatically by recognising the panel's Extended Display Identification (EDID) and Display Data Channel (DDC) protocols.

An auto-adjustment feature optimises the display settings for use with your computer. But to get the best image from the ServView LCD Monitors, you can fine-tune the image's brightness, sharpness, contrast, frequency, gamma, and other characteristics by using control buttons on the monitor's front. Adjustments display as numeric values on an on-screen menu while you make them.

For even less power consumption, the monitor features a built-in power-management system that saves energy by switching the monitor to a low-power mode when it goes unused for a certain amount of time. To get the monitor to return to normal operation, just move your mouse or press a keyboard key.

Specifications

Keyboard Compatibility:
KVT110A: PC, AT®/XT®, PS/2®

LCD Colours: KVT115A, KVT117A, KVT119A: 16.7 million

LCD Display: KVT115A, KVT117A, KVT119A: 15", 17", or 19" a-Si TFT/LCD active matrix color

LCD Frequency: KVT115A, KVT117A: Horizontal: 30–61 kHz; Vertical: 50–75 Hz; KVT119A: Horizontal: 31–91 kHz; Vertical: 59–85 Hz

LCD Resolution (Maximum):
KVT115A: 1024 x 768 @ 75 Hz; KVT117A, KVT119A: 1280 x 1024 @ 85 Hz

LCD Video Compatibility:
KVT115A, KVT117A, KVT119A: VGA, SVGA, XGA, Mac VGA, Mac XGA

Trackball Mouse Compatibility:
KVT110A: PS/2 or serial

Connectors: KVT110A: Keyboard: (1) PS/2 6-pin mini-DIN; Mouse: (1) PS/2 6-pin mini-DIN; KVT115A, KVT117A, KVT119A: (1) HD15

Temperature Tolerance:
KVT110A: 32 to 122°F (0 to 50°C); KVT115A, KVT117A, KVT119A: 50 to 104°F (10 to 40°C)

Humidity Tolerance:
10 to 80% noncondensing

Power: 100–240 VAC, 60–50 Hz, autosensing;

Power consumption: Normal Mode: KVT115A: 25 watts; KVT117A, KVT119A: 20 watts; Power Saving Mode: <3 watts

Size: KVT110A: 2"H x 13.9"W x 28" to 36"D (5.1 x 35.3 x 71.1 to 91.4 cm); KVT115A, KVT117A, KVT119A: 3.5"H (1U) x 19"W x 29.3"D (8.9 x 48.3 x 74.4 cm)

▼ *Ordering Information*

ITEM	CODE
ServView Keyboard and Mouse	KVT110A
ServView LCD Monitors	
15"	KVT115A
17"	KVT117A
19"	KVT119A