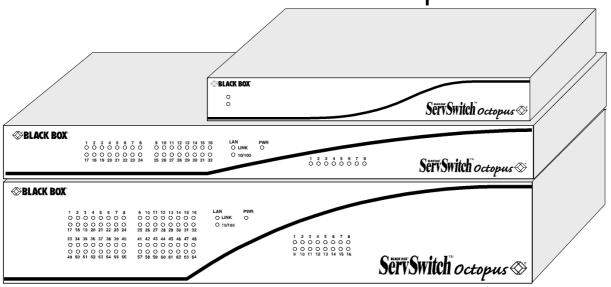


ServSwitch Octopus



Key Features

- High Video Performance.
- Outstanding management features.
- Space-saving layout.
- Completely flash-upgradable.
- Multi-Platform support.
- Fully Cat 5 based for max. distance of 300m.

he ServSwitch Octopus is a fully Cat 5 based KVM switching solution. It uses Server Access Modules (SAM) that plug into a servers keyboard, video and mouse interfaces where it takes its power from to emulate the necessary keyboard and mouse protocols and to convert the signals to boost them over Cat 5 cable into the main switching unit. The SAMs are available for all major server platforms like Sun. PS/2, USB and RS-232 (VT emulation). This main switch can either be an 8x32 Matrix or a 16x64 (KV1701E or KV1702E) which can be cascaded up to max. 2 tiers (see application drawing below) to support thousands of CPUs from up to 8 or 16 Users simultaneously.

The Remote User Stations (KV1710E or KV1712E) also connect via Cat 5 into the switch. Using their powerful but easy to handle OnScreenDisplay all switching activities and security settings are done. The way the Octopus uses the Cat 5 technology allows max. end-to-end distances of up to 300m/1000ft from the User Station to the SAM. To guarantee optimal video quality over that distance,

the Octopus equalizes attenuation losses over the distance with every single server selection

For even more ambitious users the User Station KV1712E with its built-in DeSkew capabilities is available. Apart from having a second input port, available to attach another local PC (e.g. private workstation situated under the administrators desk) besides the connection to the switching system, this unit automatically adjusts color signal delays caused by disparate individual pair length of Cat 5, 5e, Cat 6 or Cat 7certified cables up to 64nsec. This allows S-XGA (1280x1024) signals to be transmitted over the full range of 300m without smearing!

The ServSwitch Octopus system is designed to be more or less plug'n'play ready. As soon as a new server is connected with a SAM to the switching system, the SAMs unique ID appears in the OSD.

It now can be renamed. The new name is then stored in the SAMs non-volatile Flash and will appear as such in the OSD further on When being powered off or disconnected the server name will disappear from the OSD immediately. As soon as it will be reconnected or powered back on, it is available again —no matter whether the physical setup has changed because of expanding the system by adding another switch or simply relocating the CPU port!

Apart from setting up the whole system via the OSD the comfortable management software Octoware is included to administrate the Octopus comfortable from a Windows PC via a network connection.

All security settings, user profile definitions can be done that way. But apart from only that each component of the Octopus setup , SAM, Switch or User Station, can be flash-upgraded —if necessary—centrally. All system information can be monitored via Octoware. Additionally an event log of all switching activity can be backed up from the switch at any time.

40018 Page 1 of 3

Specifications

KV1701E (Octopus 832)

Agency Approvals — EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950, FCC15 Class A, CSA C22.2 No. 69950, UL 60950 third edition, VCCI Class A

Environmental/Power —

Power consumption: 75 W AC input Power: max. 75 W Heat dissipation: 270 kJ Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC Power frequency: 50-60 Hz

Ports —

Network number: 1 RJ45 Ethernet 10/100 BASE-T Server ports: 32, RJ45 Octopus interconnect User ports: 8, RJ45 Octopus interconnect Terminal port: 1, DB9 M, RS-232 serial

Dimensions — 43.2 W x 28.1 D x 1U Weight - 3.7kg

KV1702E (Octopus 1664)

Agency Approvals —

EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950, FCC15 Class A, CSA C22.2 No. 69950, UL 60950 third edition, VCCI Class A

Environmental/Power —

Power consumption: 150 W AC input Power: max. 150 W Heat dissipation: 610 kJ Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC Power frequency: 50-60 Hz

Ports —

Network number: 1 RJ45 Ethernet 10/100 BASE-T Server ports: 64, RJ45 Octopus interconnect User ports: 16, RJ45 Octopus interconnect Terminal port: 1, DB9 M, RS-232 serial

Dimensions — 43.2 W x 28.1 D x 2U Weight — 7.27kg

KV1710E (Octopus User Station)

Agency Approvals -

EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950, FCC15 Class A, CSA C22.2 No. 69950, UL 60950 third edition, VCCI Class A

Environmental/Power —

Power consumption: 25 W AC input Power: max. 25 W Heat dissipation: 90 kJ Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC Power frequency: 50-60 Hz

Ports —

Input ports: 1, RJ45 Octopus interconnect Output ports: 1 MiniDIN 6-pin F Keyboard

- 1 MiniDIN 6-pin F Mouse
- 1 MiniDIN 8-pin F Sun Keyboard/Mouse
- 1 HD15F VGA Video
- 1, DB9 M , RS-232 serial (Administration)

Dimensions — 27.9 W x 29.2 D x 1U Weight — 2kg

KV1712E (Octopus User Station)

Agency Approvals —

EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950, FCC15 Class A, CSA C22.2 No. 69950, UL 60950 third edition, VCCI Class A

Environmental/Power —

Power consumption: 25 W AC input Power: max. 25 W Heat dissipation: 90 kJ Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 100-240VAC Power frequency: 50-60 Hz

Ports —

Input ports: 2, RJ45 Octopus interconnect Output ports: 1 MiniDIN 6-pin F Keyboard

- 1 MiniDIN 6-pin F Mouse
- 1 MiniDIN 8-pin F Sun Keyboard/Mouse
- 1 HD15F VGA Video
- 1, DB9 M, RS-232 serial (Administration)

Dimensions — 27.9 W x 29.2 D x 1U Weight — 2kg

SAMs (Octopus ServerAccess Modules)

Agency Approvals —

EN55022 Class A, FCC15 Class A

Environmental/Power —

Power consumption: 650mW Humidity: 10-95% non-condensing Operating temperature: 0°C - 50°C Storage temperature: -20°C - 60°C Operating voltage: 5VDC

Ports —

Output ports — 1, RJ45

Octopus interconnect

Input ports -

SAM PS/2:

- 1 MiniDIN 6-pin M Keyboard; 1 MiniDII 6-pin M Mouse: 1 HD15M VGA Video SAM USB:
- 1 USB Type A Keyboard/Mouse;
- 1 HD15M VGA Video

SAM Sun HD15 (VSN):

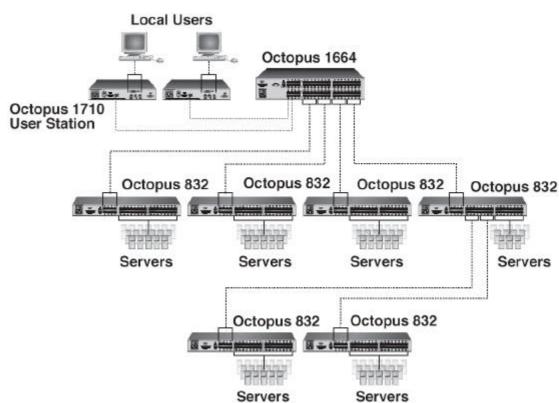
- 1 MiniDIN 8-pin F Sun Keyboard/Mous
- 1 HD15M VGA Video

SAM Sun 13W3 (WSN)

- 1 MiniDIN 8-pin F Sun Keyboard/Mous
- 1 13W3 M Video

SAM RS-232 Tbd.

Dimensions — 6.1W x 10.2D x 2.11H Weight - 0.13kg



Page 2 of 3 40018

Ordering information

ITEM CODE
Product ServSwitch Octopus 8 User x 32 CPUs Switch .KV1701E ServSwitch Octopus 16 User x 64 CPUs Switch .KV1702E ServSwitch Octopus User Station .KV1710E ServSwitch OctopusUser Station w/ local CPU and DeSkew .KV1712E ServerAccessModule for PS/2 .KV1720A ServerAccessModule for USB .KV1721A
ServerAccessModule for Sun HD15KV1722A
ServerAccessModule for Sun 13W3
ServerAccessModule for RS-232/V.24 VT100 Emulation KV1724A

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40018 Page 3 of 3