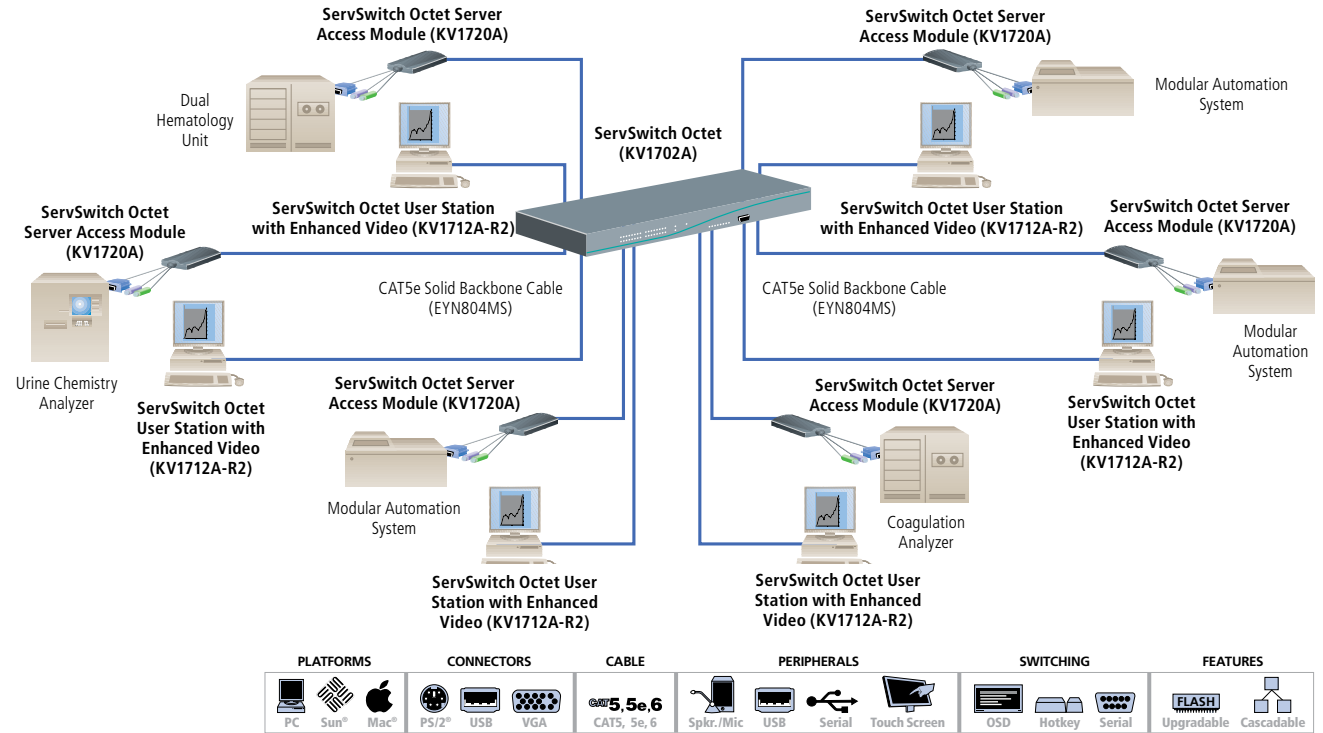## ServSwitch Octet

Get ultimate system control and remote access to multiple PS/2, USB, Sun, and/or serial CPUs over solid UTP cable.

FEATURES

» Access multiple CPUs from a remote PC over CAT5, CAT5e, or CAT6 UTP cable.

» Maximum distance between the ServSwitch™ and the attached CPUs is a whopping 984.2 feet (300 m)!

» Control and configure the ServSwitch locally through an attached user console PC.

» Works with PS/2®, USB, Sun® HD15, or serial RS-232/V.24 CPUs.

Modular Automation System with ServSwitch Octet.

PLATFORMS			CONNECTORS			CABLE	PERIPHERALS				SWITCHING			FEATURES	
PC	Sun®	Mac®	PS/2®	USB	VGA	CAT5, 5e, 6	Spkr./Mic	USB	Serial	Touch Screen	OSD	Hotkey	Serial	Upgradable	Cascadable

OVERVIEW

Suppose you need to link a large number of users over CAT5, CAT5e, or CAT6 solid UTP cable to a variety of PS/2, USB, Sun HD15, or serial RS-232/V.24 servers. When it's superior security that you want, along with extra-long distance between servers and the attached users, choose the ServSwitch Octet™. This ServSwitch also offers stellar system control via the included Octoware IP access control software.

The KV1703A enables 4 users to access up to 16 CPUs; the KV1700A enables 4 users to access up to 42 CPUs; the KV1701A enables 8 users to access up to 32 CPUs; the KV1702A enables 16 users access up to 64 CPUs.

For each CPU server that you attach to the ServSwitch, you need one Server Access Module (SAM). Each SAM is a small box with a pigtail cable attached that has keyboard-video-mouse (KVM) connectors on the end. Simply connect the KVM connectors on the SAM to the KVM connectors on your PS/2, USB, Sun HD15, or serial RS-232/V.24 server.

Dual RJ-45 Server Access Modules with Audio/Serial RS-232 Support are also available for PS/2, USB, or Sun HD15. Use one of these modules to connect two CPU servers to the ServSwitch.

For each user that you attach to the system, you need a Basic User Station (KV1711A-R2), an Enhanced-Video User Station (KV1712A-R2), or a USB User Station with Serial/Audio Support (KV1713A). When choosing a user station, keep in mind that the basic model provides video resolution of up to 1024 x 768 at up to 984.2 feet (300 m). If you need better resolution, choose the enhanced-video model. It adjusts for skew between RGB signals each time a switch is made to a server, and it supports 1280 x 1024 video resolution at up to 984.2 feet (300 m). For audio/serial support, choose the USB model.

At shorter distances, you get even better resolution. For example, for all three user stations, the maximum resolution at 328 feet (100 m) is 1600 x 1200 @ 75 Hz. All user stations contain KVM connectors that attach to the KVM connectors on the user's PC.

You won't spend a fortune on cable either because the ServSwitch Octet operates over ordinary CAT5, CAT5e, or CAT6 cable.

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NETWORK SERVICES

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And power consolidation is an option, too. To provide power for up to four serial RS-232/V.24 (KV1724A) SAMs, order a power supply (PS123A).

To rackmount the ServSwitch Octet, use the included rack-mount brackets. To rackmount the Basic, Enhanced-Video, or USB User Stations, choose the 1U Rackmount Kit (RMK171X, available separately).

KV1713A: top: front view; bottom: rear view

TECH SPECS

Chassis — Metal case

Convection — Cooling fan

Distance to Keyboard/Monitor/Mouse (Maximum) — 984.2 ft. (300 m)

Distance to Server (Maximum) — 984.2 ft. (300 m)

Extension Options — Included, up to 984.2 ft. (300 m)

Mice Supported — User and CPU: Wheel mouse, PS/2, Sun;
  KV1713A: Also USB

Number of CPUs (Maximum) — KV1703A: 256;
  KV1700A: 800;
  KV1701A: 4096;
  KV1702A: 16,384

Platforms Supported — IBM® PC and compatible;
  PS/2, Sun, Sun USB, serial

Port Selection — Via on-screen display

Resolution (Maximum) —
  KV1711A-R2: 1024 x 768 at 984.2 ft. (300 m); 1600 x 1200 at 75 Hz
    and 328 ft. (100 m);
  KV1712A-R2, KV1713A: 1280 x 1024 at 984.2 ft. (300 m); 1600 x 1200
    at 75 Hz and 328 ft. (100 m)

Security — Password, user profiles, auto time logout, event log, LDAP

Connectors — KV1703A: (21) RJ-45, (1) DB9 M, (1) IEC 320;
  KV1700A: (47) RJ-45, (1) DB9 M, (1) IEC 320;
  KV1701A: (41) RJ-45, (1) DB9 M, (1) IEC 320;
  KV1702A: (81) RJ-45, (1) DB9 M, (1) IEC 320;
  KV1711A-R2–KV1712A-R2: (2) RJ-45, (2) 6-pin mini-DIN F, (2) USB
    Type A F, (1) HD15 F, (1) DB9 F, (1) IEC 320;
  KV1713A: (2) RJ-45, (2) 6-pin mini-DIN F, (2) USB Type A F, (1) DB9 M,
    (2) 3.5-mm F;
  KV1720A: (1) RJ-45, (2) 6-pin mini-DIN M, (1) HD15 M;
  KV1721A: (1) RJ-45, (1) USB Type A M, (1) HD15 M;
  KV1724A: (1) RJ-45, (1) DB9 F;
  KV1725A: (2) RJ-45, (2) 6-pin mini-DIN M, (1) HD15 M, (1) DB9 M,
    (2) 3.5-mm M;
  KV1726A: (2) RJ-45, (1) USB Type A M, (1) HD15 M, (1) DB9 M,
    (2) 3.5-mm M;
  KV1727A: (2) RJ-45, (1) 8-pin DIN M, (1) HD15 M plus HD15 F to 13W3
    adapter, (1) DB9 M, (2) 3.5-mm M

Temperature Tolerance — Operating: 32 to 122°F (0 to 50°C)

Humidity Tolerance — 10 to 95%, noncondensing

Power — 100–240 VAC, 50–60 Hz, internal, autosensing

Size — KV1703A, KV1700A: 1.7"H x 17"W x 13.9"D (4.3 x 43.2 x 35.3 cm);
  KV1701A: 1.7"H x 17"W x 11.1"D (4.3 x 43.2 x 28.2 cm);
  KV1702A: 3.5"H x 17"W x 11.1"D (8.9 x 43.2 x 28.2 cm);
  KV1711A-R2–KV1712A-R2, KV1713A: 1.75"H x 11"W x 11.5"D
    (4.4 x 27.9 x 29.2)

Weight — KV1703A, KV1700A: 9.3 lb. (4.2 kg);
  KV1701A: 8.1 lb. (3.7 kg);
  KV1702A: 11.9 lb. (5.4 kg);
  KV1711A-R2–KV1712A-R2, KV1713A: 4.4 lb. (2 kg);
  KV1720A–KV1721A, KV1724A–KV1727A: 0.3 lb. (0.1 kg)

What's included

KV1700A–KV1703A:
✦ Power cord
✦ Rackmount brackets
✦ 10-32 and 12-24 mounting hardware
✦ Null-modem cable
✦ CD-ROM containing Octoware software and a user's manual
✦ Quick Install Guide

KV1711A-R2–KV1712A-R2, KV1713A:
✦ Power cord
✦ Quick Install Guide

KV1720A–KV1721A, KV1724A, KV1720A-32, KV1725A– KV1727A:
✦ Quick Install Guide

RMK171X (for KV1711A-R2–KV1712A-R2, KV1713A):
✦ (2) rackmount brackets
✦ 10-32 and 12-24 mounting hardware

Item	Code
ServSwitch Octet	
4 Users x 16 CPUs	**KV1703A**
4 Users x 42 CPUs	**KV1700A**
8 Users x 32 CPUs	**KV1701A**
16 Users x 64 CPUs	**KV1702A**
User Stations	
Basic	**KV1711A-R2**
Enhanced-Video	**KV1712A-R2**
USB with Serial/Audio Support	**KV1713A**
Server Access Modules (SAMs)	
for PS/2	**KV1720A**
for USB	**KV1721A**
for Serial RS-232/V.24	**KV1724A**
32 Server Access Modules for PS/2	**KV1720A-32**
Dual RJ-45 Server Access Modules (SAMs) with Audio/Serial RS-232 Support	
for PS/2	**KV1725A**
for USB	**KV1726A**
for Sun HD15	**KV1727A**
To provide power for up to four KV1724A Server Access Modules, order…	
Power Supply	**PS123A**
To rackmount a User Station, order…	
1U Rackmount Kit	**RMK171X**