

2-console x 8/16/32-port CAT5 KVM Switch
Cascadable up to 8 units controlling up to 256 ports
With 1 x Local PS/2 Console + 1 x Remote CAT5 Split Console
Firmware upgrade by OSD Operation

UKS-0132OSD/ UKS-0116OSD/ UKS-0108OSD Cascadable Dual Console CAT5 KVM Switch w/ OSD

A CAT5 KVM Switch Solution

Optimized for High-Density Server Management

With scalability, management and reliability

Easily deployable in enterprise and various server room scenarios

The UKS series Cascadable CAT5 KVM Switch Family is a cost-effective implementation of the CAT5 KVM Switching Technology in enterprise scenario. The UKS Cascadable CAT5 KVM Switches are designed to fulfill the critical demands ever higher server capacity in modern data centers. The UKS Cascadable CAT5 KVM Switch Family features UKS-0132OSD, UKS-0116OSD and UKS-0108OSD, each of which can allow dual console access over any one server desktop among the 16 ports/32 ports over a single CAT5 KVM Switch main unit. With cascaded UKS units, the total managed port capacity can be maximized to 256 ports. The UKS series provides up to 100M of cabling distance.



UKS CAT5 KVM Switch Family – UKS-0108OSD/UKS-0116OSD/UKS-0132OSD



UKS-0132OSD - Front View



UKS-0132OSD - Rear View

Cascadable up to 8 units for scalability

The UKS-0132/UKS-0116 allows itself to be cascaded up to 8 units, offering a maximum scalability of up to 256 ports by two splitting consoles to control 256 computers.

Remote Splitting Console for convenience of 100M console extension

The Dual Console feature of the UKS Cascadable series of CAT5 KVM Switches offers a special convenience for admins who have to work at a second location (the second console, or a remote console) that could be 100 M away from the first (local) console that is immediate on the CAT5 KVM Switch. Thus, admins could choose to work at either the local console or the remote console as he or

she pleases or is required. The remote console is extendable up to 100M over CAT5 UTP cable, and shares the same video and keyboard/mouse control with the local console.

Remote Console Access Control by Hotkeys

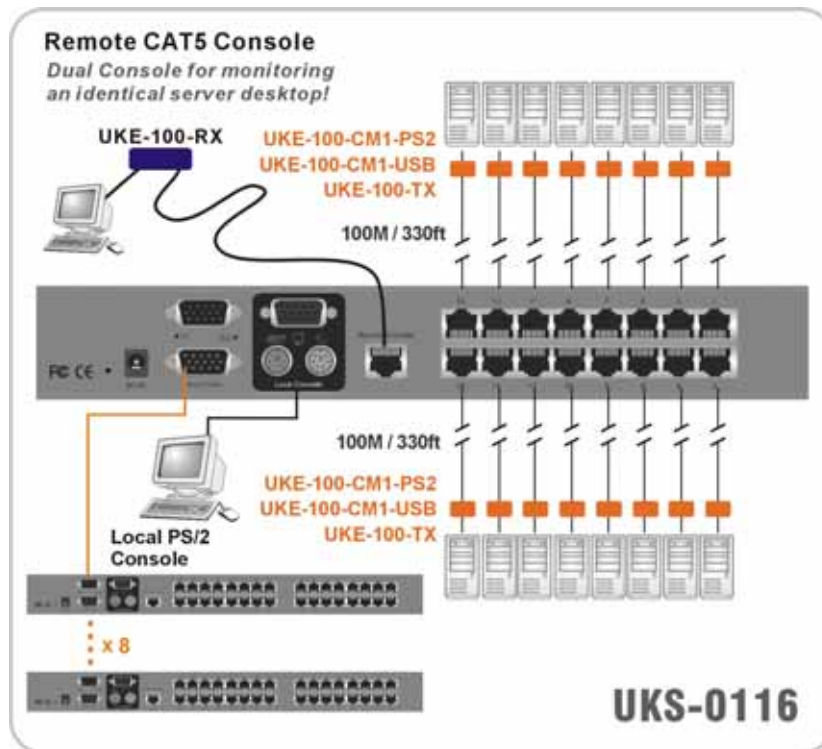
To enhance security level of the remote console access, the UKS series CAT5 KVM Switch features the activation/deactivation of remote console by hotkey commands issued from the local console. Thus, the admin on the local console can have full access to the connected computers and, at the same time, either grant or deny access to users on the remote console.

Firmware upgrade for easy synchronization of all firmware on KVM switches and computer modules

The Firmware upgrade feature provides a easy way to manually upgrade your firmware to the latest version available on the CAT5 KVM switch main unit, whether it is resident on the CAT5 KVM switches or on individual dongles. This can reduce the time and efforts spent to keep the whole system updated in good shape.

Neater and more pliable CAT5 cabling to save cabling nightmare

Due to higher and higher density of servers within corporate server rooms or data centers, server admins face an even more aggravating problem of cabling clutters when connecting servers to the KVM Switch, using only the conventional KVM combo cables. The UKS series CAT5 KVM Switch is a neat solution to save all these cabling troubles that are inherent with ever higher server density -- The UKS series CAT5 KVM Switch utilizes CAT5/CAT5e/CAT6 UTP cables as carriers of the KVM signals in lieu of the often cumbersome conventional KVM combo cables. There are no more monstrous cabling clutters to thwart server rack backside access, and owing to much longer distance of cabling, admins can also manage to integrate any computers that are 300 Meters of cabling distance away under the control of the CAT5 KVM switch.



Configuration Diagram (showing UKS-0116OSD and UKS-0132OSD)

* The advantage of using UKE-100-TX to connect computer (instead of the UKE-100-CM1) is that the UKE-100-TX allows a local console to be set up near the computer for user's local access near the computer.

Features

- 32/16-port Dual [Shared] Console Cascadable CAT5 KVM switch [UKS-0132OSD/UKS-0116OSD/UKS-0108OSD]
- Dual Console for extra convenience in server management in two different locations.
- Remote Console Activation/Deactivation by the Local Console
- PS/2 interface support on console side
- Dual Interface support for PS/2 and USB interface connections on computer side (using different dongles).
- OSD Menu Control for unit configuration and switching operation
- Hotkey sequence configurable [Scroll Lock, CAPS, Esc, Num, F12]
- CAT5/CAT5e/CAT6 UTP cable for KVM signals transmission
- Cabling distance up to 100 M / 330 ft
- Dedicated Cascade port to cascade up to 8 units controlling up to 256 computers
- Utilize Computer dongles for connections with computers
- Bank/channel selection and operation using keyboard hotkeys and OSD Menu
- OSD Menu functional features including:
 - Port selection
 - Active port indication on console OSD
 - Computer Naming
 - Load default
 - Password Protection enable/disable
 - Firmware upgrade for KVM Switch and computer module – Manual upgrade
 - Computer Module type per port listing
 - Cascaded KVM Bank listing
 - OSD Time out
 - Autologout timeout
 - Autoscan period
- Dual numerical LED displays to show bank numbering
- Port LED indicators to show port status (Active / Online)
- 19" rack mount design with metal enclosure for best shielding and protection
- Support for Windows 95/98/SE/ME/2000/XP/Server 2003/Vista, Linux, Mac and Sun



UKE-100-CM1-USB



UKE-100-CM1-PS2



UKE-100-TX



UKE-100-RX



UKE-100-TX
Computer Module w/ Local Console Unit



UKE-100-RX
Remote Console Unit

Specifications

| Model No. | UKS-0132OSD / UKS-0116OSD / UKS-0108OSD |
|-----------------------|--|
| PC Port | 32/16 x RJ45 (Computer Dongles needed for connection with the keyboard, mouse and video interface of the computer) |
| Console Port | Dual Console – 1 x local console + 1 x remote console - 100M PS/2 only (connect to physical keyboard, mouse and monitor) |
| Cascadable | Cascadable up to 8 units |
| Max. PC Connection | 256 computers (UKS-0132OSD x 8) |
| OSD | Yes / Multilevel OSD Menu |
| PC selection | Hotkeys / OSD |
| PC port LED s | 16/32 x 2 (Red LED for connected state/Green LED for active state) |
| Scan delay time | 5 ~ 99 sec (programmable through OSD menu option) |
| Size | Standard 19" rack mount |
| Housing | Metal enclosure |
| Dimension (L x W x H) | 438 x 220 x 44 mm /300 x 220 x 44 mm /300 x 220 x 44 mm |
| Operating Temperature | 0 ~ 40°C |
| Storage Temperature | - 20 ~ 60°C |
| Operating Humidity | 0 ~ 90% RH, non-condensing |
| Power Consumption | CAT KVM Switch: 7 Watts per unit (max.) Dongle: 1.15 Watts (5VDC x 230 mA) dongle (max.) |
| Video Resolution | 1600 x 1200 |
| Video Bandwidth | 165 MHz |
| Power | 9V 1.7A DC |
| ROHS | Yes |
| Safety / Emission | FCC Class B, CE |

| Model No. | Accessories – UKE-100-RX / UKE-100-TX |
|--------------------------|--|
| Component Units | RX – Remote Console unit (receiver) TX – Computer Connection Unit w/ a built-in local console |
| Keyboard & mouse support | RX - PS/2 interface support (console side) TX - USB & PS/2 interface support (computer side) |
| Max. PC Connections | 1 x |
| Connectors | [RX - Remote Console side] 1 x HDB 15-pin Female (VGA) 2 x PS/2 keyboard&mouse 1 x RJ-45 [connection to UKE-100-TX] 1 x DC9V power receptacle [TX- Computer side] 1 x HDB15 (integrated with Video, PS/2 mouse and keyboard) 1 x USB Type B 1 x RJ-45 [connection to UKE-100-RX] |
| Video Adjustment | [RX – Local Console] Rotary knobs – Equalization / Gain |
| LED s | [UKE-100-RX / UKE-100-TX] 1 x Red – Power 1 x Green – Link |
| Keyboard/Mouse emulation | USB and PS/2 |
| VGA Resolution | 1600 x 1200 – 100M |
| Operation Temperature | 0 ~ 40°C |
| Storage Temperature | - 20 ~ 60°C |
| Humidity | 0~90% RH, non-condensing |
| Size | Compact Desktop Size |
| Housing | Metal enclosure |
| Power Adapter | (Optional) DC 9V 1A |
| Power Consumption | [RX] – 1 watt [TX] – 4 Watt |
| Safety / Emission | FCC Class B, CE |

| Model No. | Accessories: Computer Dongles - UKE-100-CM1-PS2 / UKE-100-CM1-USB |
|--------------------------|--|
| PC Connectors | 2 x PS/2 / 1 x USB Type A (Keyboard&Mouse) 1 x HDB15 (Video) |
| KVM connectors | 1 x RJ45 |
| Housing | Plastic enclosure |
| Power | Bus power |
| Power Consumption | 1.15 Watts (5VDC x 230 mA) dongle (max.) |
| Safety / Emission | FCC Class B, CE |

Ordering Information

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|-----------------|---|
| UKS-0132OSD | 32-port Dual Console CAT5 KVM switch w/ OSD, Cascadable |
| UKS-0116OSD | 16-port Dual Console CAT5 KVM switch w/ OSD, Cascadable |
| UKS-0108OSD | 8-port Dual Console CAT5 KVM switch w/ OSD, Cascadable |
| UKE-100-CM1-PS2 | CAT5 Computer Module – PS/2 Type |
| UKE-100-CM1-USB | CAT5 Computer Module – USB Type |
| UKE-100-TX | CAT5 Computer Connection Unit w/ a Local Console (Transmitter Unit) |
| UKE-100-RX | CAT5 Remote Console Unit (Receiver Unit) |