CS1644A

4-Port USB DVI Dual Link Dual Display/Audio KVMP™ Switch

The CS1644A 4-Port USB DVI Dual View KVMP™ Switch is a multi-application device that integrates a 4-port KVM switch with 2-port USB hub. The newest version now supports Quad-View functionality with two Dual View KVM Switches connected.

The new CS1644A features multi-view capabilities, which allow two switches to be daisy chained for a dual, triple, or quadview display across multi-monitor installations. The CS1644A supports advanced nVidia 3D Vision ready 120Hz 3D displaying, allowing you to manage various 3D visual effects. It allows you to manipulate all connected computers from a single console to save resources and work space. It enables each computer to access connected peripherals on a one-computer-at-a-time basis, making it ideal for users who need delicate visual effects and multi-tasking on several computers. The CS1644A is perfect for graphic designers, banking and financial consultants, gamers and medical professionals demanding a high quality switch that provides stunning color, clarity and functionality.

Features

- One dual-screen USB console controls two/four dual-screen computers and two additional USB devices
- Multi-View Display – Easily connect two CS1642A/1644A’s units for a second dual-screen setup controlled through a single connection
- Superior video quality – 2560 x 1600 at 60Hz (DVI Dual link); and 3D displays up to 1920 x 1200 at 120Hz (DVI Single link)
- Supports widescreen resolutions
- Independent switching of KVM, USB, and Audio focus
- DVI digital and analog monitor support – fully compliant with DVI specifications; and HDCP compliant
- Multiplatform support – Windows 2000/XP/Vista, Linux *, Mac, Sun, and FreeBSD
- Sun/Mac keyboard support and emulation **
- Video DynaSync, exclusive ATEN technology, to eliminate boot-up display problems and optimizes resolution when switching between ports

* Supports Linux Kernel 2.6 and higher. The CS1644A has a built-in USB 2.0 hub, so will not support PCs or OS that do not support USB 2.0.
** PC keyboard combinations emulate Mac keyboards.
** Mac keyboards only work with their own computers.

Specification

4-Port USB DVI Dual View KVMP™ Switch
# Connections

**Port Selection**
- Hotkey, Pushbutton, Mouse

## Connectors

### Console Ports
- 2 x USB Type A Female (rear panel)
- 2 x DVI-I Female (White)
- 1 x 3.5mm Audio Jack Female (Green)
- 1 x 3.5mm Audio Jack Female (Pink)

### KVM Ports
- 4 x USB Type B Female
- 8 x DVI-I Female (White)
- 4 x 3.5mm Audio Jack Female (Green)
- 4 x 3.5mm Audio Jack Female (Pink)

### Daisy Chain Ports
- 1 x RJ-45 Female (rear panel)

### Power
- 1 x DC Jack

### USB Hub
- 2 x USB Type A Female (1 x front panel; 1 x rear panel)

## LEDs

### KVM
- 4 (Orange)

### Audio
- 4 (Green)

### USB Link
- 4 (Green)

## Switches

### Selected
- 5 x Pushbutton

## Emulation

### Keyboard / Mouse
- USB

### Video
- DVI Dual Link: 2560 x 1600 @ 60Hz;
- 3D Display: 1920 x 1200 @ 120Hz

### Scan Interval
- 1-99 seconds (default: 5 secs.)

### Power Consumption
- DC5.3V: 5.34W: 51BTU

## Environmental

### Operating Temperature
- 0–50°C

### Storage Temperature
- -20–60°C

### Humidity
- 0-80% RH, Non-condensing

## Physical Properties

### Housing
- Plastic, Metal

### Weight
- 2.32 kg (5.11 lb)
Dimensions (L x W x H) | 43.72 x 15.98 x 4.40 cm  
| 17.21 x 6.29 x 1.73 in. |

Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

**Diagram**

- CS1644A (Rear)
- CS1644A (Front)
- Host
- Client

Easy access USB port for portable devices  
Easy access audio ports for IP phones/headphones + speakers

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