

## CS1642A

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



The CS1642A 2-Port USB DVI Dual View KVMP™ Switch is a multi-application device that integrates a 2-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 CS1642A features multi-view capabilities, which allow two switches to be daisy chained for a dual, triple, or quadview display across multi-monitor installations. The CS1642A 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 CS1642A 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
- Power on detection - if one computer is powered off, the CS1642A will automatically switch to the next powered-on computer

\* Supports Linux Kernel 2.6 and higher. The CS1642A has a builtin 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.

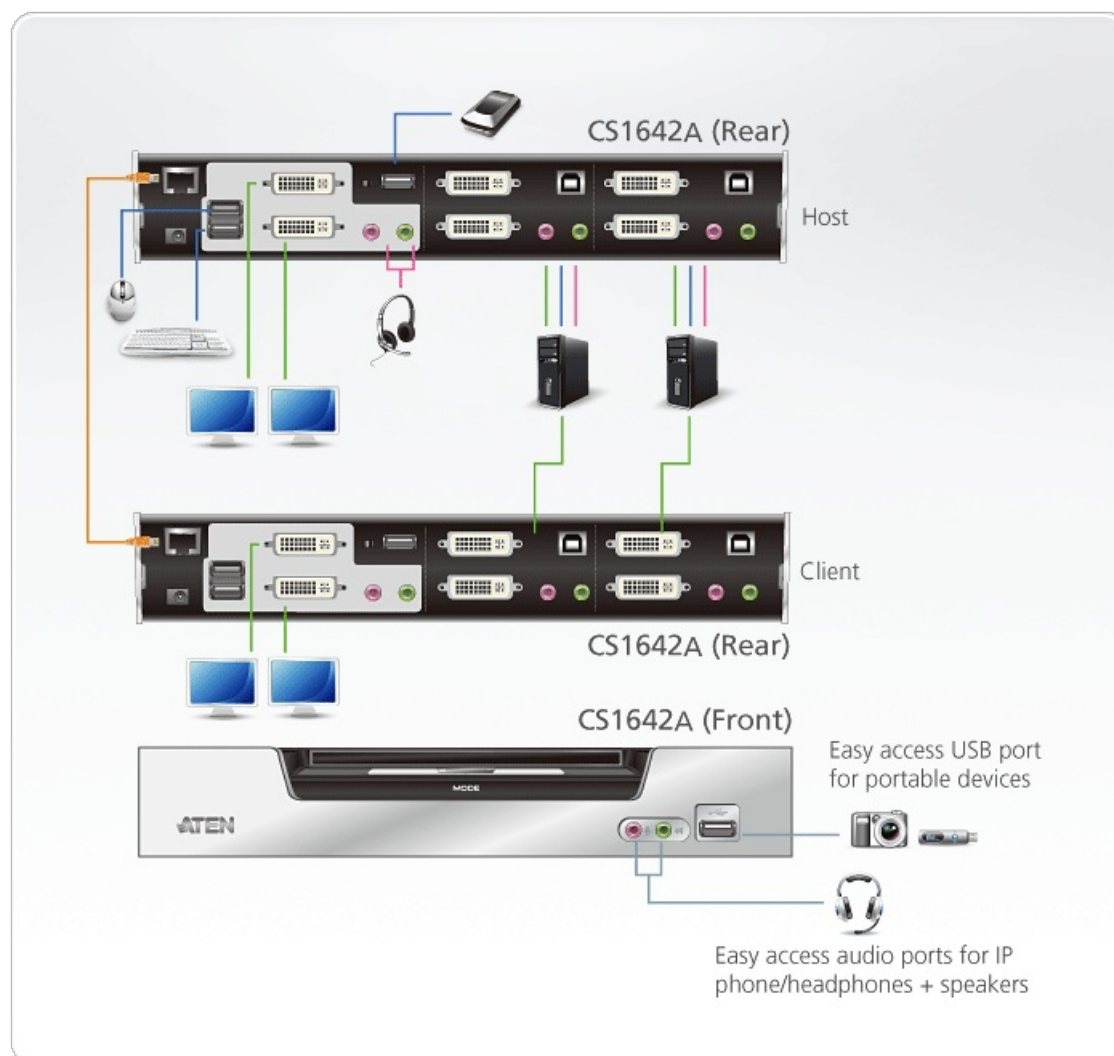
### Specifications

|                      |                           |
|----------------------|---------------------------|
| Computer Connections | 2                         |
| Port Selection       | Hotkey, Pushbutton, Mouse |

|                        |                                                                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors             |                                                                                                                                                                                                                                                                                                              |
| Console Ports          | 2 x USB Type A Female (rear panel)<br>2 x DVI-I Female (White)<br>1 x 3.5mm Audio Jack Female (Green)<br>1 x 3.5mm Audio Jack Female (Pink)                                                                                                                                                                  |
| KVM Ports              | 2 x USB Type B Female<br>4 x DVI-I Female (white)<br>2 x 3.5mm Audio Jack Female (Green)<br>2 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                    | 2 (Orange)                                                                                                                                                                                                                                                                                                   |
| Audio                  | 2 (Green)                                                                                                                                                                                                                                                                                                    |
| USB Link               | 2 (Green)                                                                                                                                                                                                                                                                                                    |
| Switches               |                                                                                                                                                                                                                                                                                                              |
| Selected               | 3 x Pushbutton                                                                                                                                                                                                                                                                                               |
| Emulation              |                                                                                                                                                                                                                                                                                                              |
| Keyboard / Mouse       | USB                                                                                                                                                                                                                                                                                                          |
| Video                  | DVI Dual Link: 2560 x 1600 @ 60Hz;<br>3D Display: 1920 x 1200 @ 120Hz                                                                                                                                                                                                                                        |
| Scan Interval          | 1-99 seconds (default: 5 secs.)                                                                                                                                                                                                                                                                              |
| Power Consumption      | DC5.3V:3.77W:43BTU/h<br><br>Note:<br><ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| Environmental          |                                                                                                                                                                                                                                                                                                              |
| Operating Temperature  | 0–50°C                                                                                                                                                                                                                                                                                                       |
| Storage Temperature    | -20–60°C                                                                                                                                                                                                                                                                                                     |
| Humidity               | 0-80% RH, Non-condensing                                                                                                                                                                                                                                                                                     |
| Physical Properties    |                                                                                                                                                                                                                                                                                                              |
| Housing                | Plastic, Metal                                                                                                                                                                                                                                                                                               |
| Weight                 | 0.56 kg ( 1.23 lb )                                                                                                                                                                                                                                                                                          |
| Dimensions (L x W x H) | 26.23 x 7.68 x 4.40 cm<br>(10.33 x 3.02 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



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