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

| Computer | 4 |
## Connections

<table>
<thead>
<tr>
<th>Port Selection</th>
<th>Hotkey, Pushbutton, Mouse</th>
</tr>
</thead>
</table>

## 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)  |

## Switches

| Selected               | 5 x Pushbutton               |

## Emulation

<table>
<thead>
<tr>
<th>Keyboard / Mouse</th>
<th>USB</th>
</tr>
</thead>
</table>
| 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

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>0–50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-20–60°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>0-80% RH, Non-condensing</td>
</tr>
</tbody>
</table>

## Physical Properties

<table>
<thead>
<tr>
<th>Housing</th>
<th>Plastic, Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>2.32 kg ( 5.11 lb )</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>43.72 x 15.98 x 4.40 cm (17.21 x 6.29 x 1.73 in.)</td>
</tr>
</tbody>
</table>

## Note

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

ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datong Rd., Sijih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789   Fax: 886-2-8692-6767
www.aten.com   E-mail: marketing@atcom