4-Port USB HDMI Multi-View KVMP™ Switch
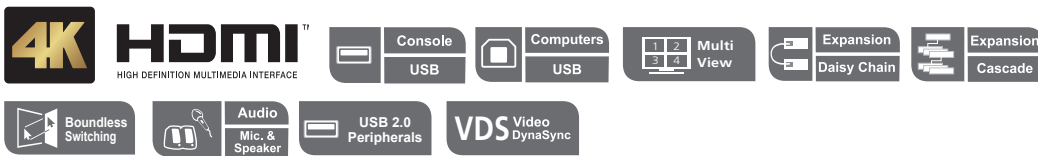## CM1284

● ATEN CM1284 4-Port USB HDMI Multi-View KVMP™ Switch improves the operational efficiency of real-time monitoring. The CM1284 allows users to manage the data more efficiently by allowing multiple sources to be selected, switched, and displayed at the same time with independent keyboard and mouse control.

Advanced video support provides a better-defined HDMI connection with video resolutions up to 4K (4096 x 2160 @ 30 Hz). The CM1284 guarantees users a real-time monitoring functionality by offering dual outputs on console side. One provides the following display modes: Quad View, Picture in Picture (PiP), Picture by Picture (PbP), Picture on Picture (PoP), and the other one provides Full Screen mode. Featuring Boundless Switching, the CM1284 allows users to simply move the mouse cursor across windows to switch to other video sources. This makes it easier to instantly access and control the target computer.

Incorporating Daisy Chain Control (DCC) capability, users are allowed to control up to 3 additional CM1284 units via a single console. In addition, CM1284 can be cascaded up to 2 levels to reach the maximum of 16 video sources to be simultaneously selected, switched, and displayed with independent keyboard and mouse control.

Engineered to meet the ever-increasing demand for multi-view functionality, the CM1284 is specifically designed for where real-time monitoring is needed such as aviation industry, financial trading, and medical application.

4K **HDMI™** HIGH DEFINITION MULTIMEDIA INTERFACE | Console USB | Computers USB | 1 2 3 4 Multi View | Expansion Daisy Chain | Expansion Cascade

Boundless Switching | Audio Mic. & Speaker | USB 2.0 Peripherals | **VDS** Video DynaSync

CM1284 Front view

CM1284 Rear view

Features

- Multi-view console controls up to four video sources on one screen with display modes including Quad View, Picture in Picture (PiP), Picture by Picture (PbP), and Picture on Picture (PoP)
- Features dual output on console side – a multi-view output and a full screen output
- Easily resizes and / or reposition any PiP or PbP to suit users' viewing needs
- System configuration via front panel, OSD, IR Remote, and RS-232 commands – display mode and port selection
- Supports superior video quality – Up to 4K (4096 x 2160 @ 30 Hz); YCbCr 4:2:2
- Drop down menu – edit display windows and other functions with the mouse and on-screen control panel
- Computer selection via front panel pushbutton and hotkey, mouse, and the serial commands*
- Boundless Switching – simply move the mouse cursor across windows to switch to other video sources even among the daisy chained installation
- Boundless Switching Focus – a window frame to indicate which computer that it currently has the focus
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching among different sources
- EDID Expert™ – Selects optimum EDID settings for smooth power- up, high-quality display and use of the best video resolution across different screens
- DCC (Daisy Chain Control) – Controls up to 3 additional CM1284 units from a single console
- Cascade up to 2 levels – Controls up to 16 computers (with up to 4 x 4 Multi-view mode)
- HDCP 1.4 compliant
- Console keyboard emulation / bypass feature that support most multimedia keyboards
- Console mouse port emulation / bypass feature that supports most mouse drivers and multifunction mice
- Independent switching for USB peripheral port, audio function and KVM switch focus
- Power on detection
- Auto Scan feature
- Firmware upgradable via computer's USB port
- Full bass response provides a rich experience for 2.1 channel audio
- Multilingual keyboard mapping – supports English, French, Japanese, and German keyboards
- Hot-pluggable
- Supports keyboard combinations via emulation (for Sun / Mac)**

Note: *Mouse port switching is only workable under mouse emulation mode and is for 3-key USB wheel mouse only
**PC keyboard combinations emulate Mac keyboard. Mac keyboard only work with their own computers

Highlights

Flexible Display Modes	CM1284 supports Quad View, Picture in Picture (PiP), Picture by Picture (PbP), Picture on Picture (PoP), and Full Screen mode. User can change size and location of each video source and easily click on demand to control PC.
Boundless Switching	Boundless Switching is a patented ATEN technology. By moving the mouse cursor across different windows, users are allowed to switch KVM focus among multiple sources on multiple windows. The mouse cursor can be moved to another window in any direction and instantly access the target computer.
Expandability	Supports Daisy Chain Control (DCC) for user to control up to 3 additional CM1284 units from a single console. Also, CM1284 can be cascaded up to 2 levels to control up to 16 computers.
Video DynaSync™	ATEN's exclusive Video DynaSync™ technology automatically detects the horizontal and vertical offset values of each computer's display settings and synchronizes them with the monitor users are working on, ensuring that the display resolution will always be correct when switching among different video sources.

Display Mode

Full Screen Mode

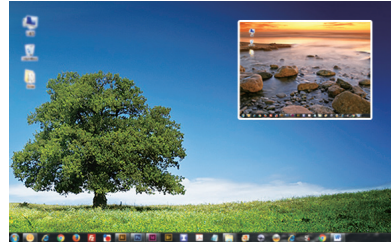## Quad View
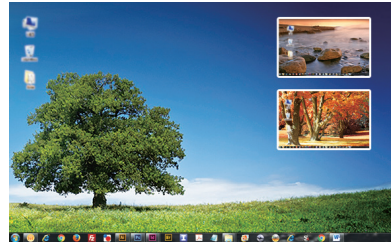

Picture by Picture
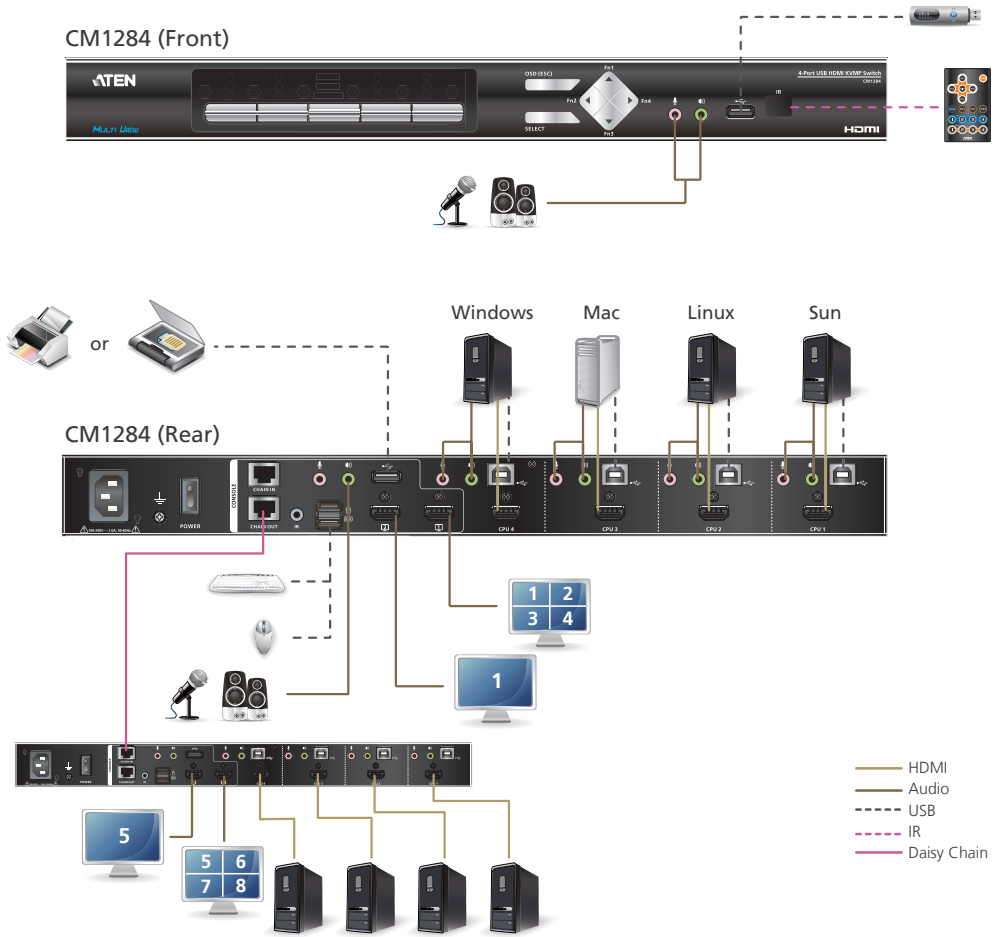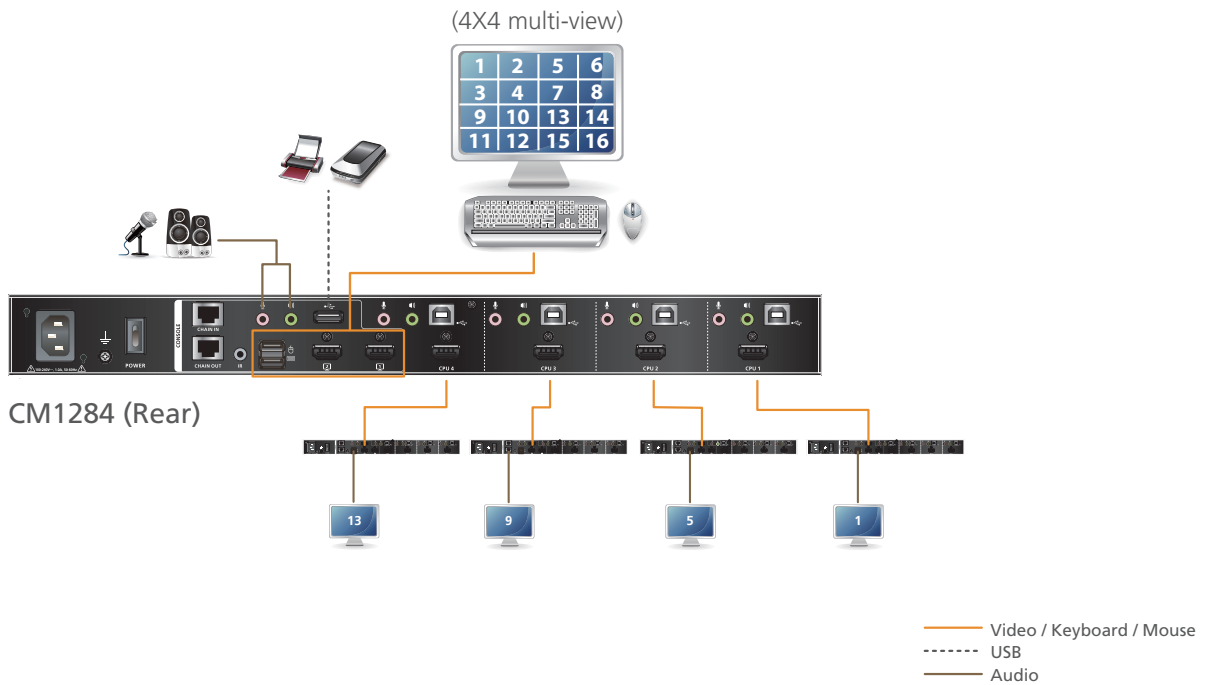
• PbP2

• PbP3

Picture in Picture

• Dual

• Quad

• Triple

Picture on Picture

Daisy Chain

CM1284 (Front)

CM1284 (Rear)

Windows   Mac   Linux   Sun

or

1	2
3	4

1

HDMI
Audio
USB
IR
Daisy Chain

5

5	6
7	8

Cascade

(4X4 multi-view)

1	2	5	6
3	4	7	8
9	10	13	14
11	12	15	16

CM1284 (Rear)

13   9   5   1

Video / Keyboard / Mouse
USB
Audio

Specifications

Function	CM1284
Computer Connections	4
Port Selection	Pushbuttons, Hotkeys, IR Remote Control, On-Screen Display(OSD), RS-232 Commands
Connectors	
Console Ports	2 x USB Type A Female 2 x HDMI Female (Black) 2 x 3.5mm Audio Jack Female (Green; 1 x front panel,1 x rear panel) 2 x 3.5mm Audio Jack Female (Pink; 1 x front, 1 x rear) 2 x RJ-45
KVM (Computer) Ports	4 x USB Type B Female 4 x HDMI Female (Black) 4 x 3.5mm Audio Jack Female (Green) 4 x 3.5mm Audio Jack Female (Pink)
Power	1 x IEC320 Jack
USB Hub	2 x USB 2.0 Type A Female (1 x front panel; 1 x rear panel)
Switches	
Selected	11 x Pushbuttons
Emulation	
Keyboard / Mouse	USB
Video	4096 x 2160 @ 30 Hz
LEDs	
KVM	4 (Orange)
Audio	4 (Green)
USB	4 (Green)
Maximum Input Power Rating	100-240 VAC; 50/60 Hz; 1A
Power Consumption	AC110V:16.0W; AC220V:14.8W
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20-60°C
Humidity	0-95% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	2.46 kg
Dimensions (L x W x H)	43.72 x 16.40 x 4.40 cm

Product information is subject to change without prior notice.

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