

CM1284

4-Port USB 4K HDMI Multi-View KVMP™ Switch



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.



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



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:

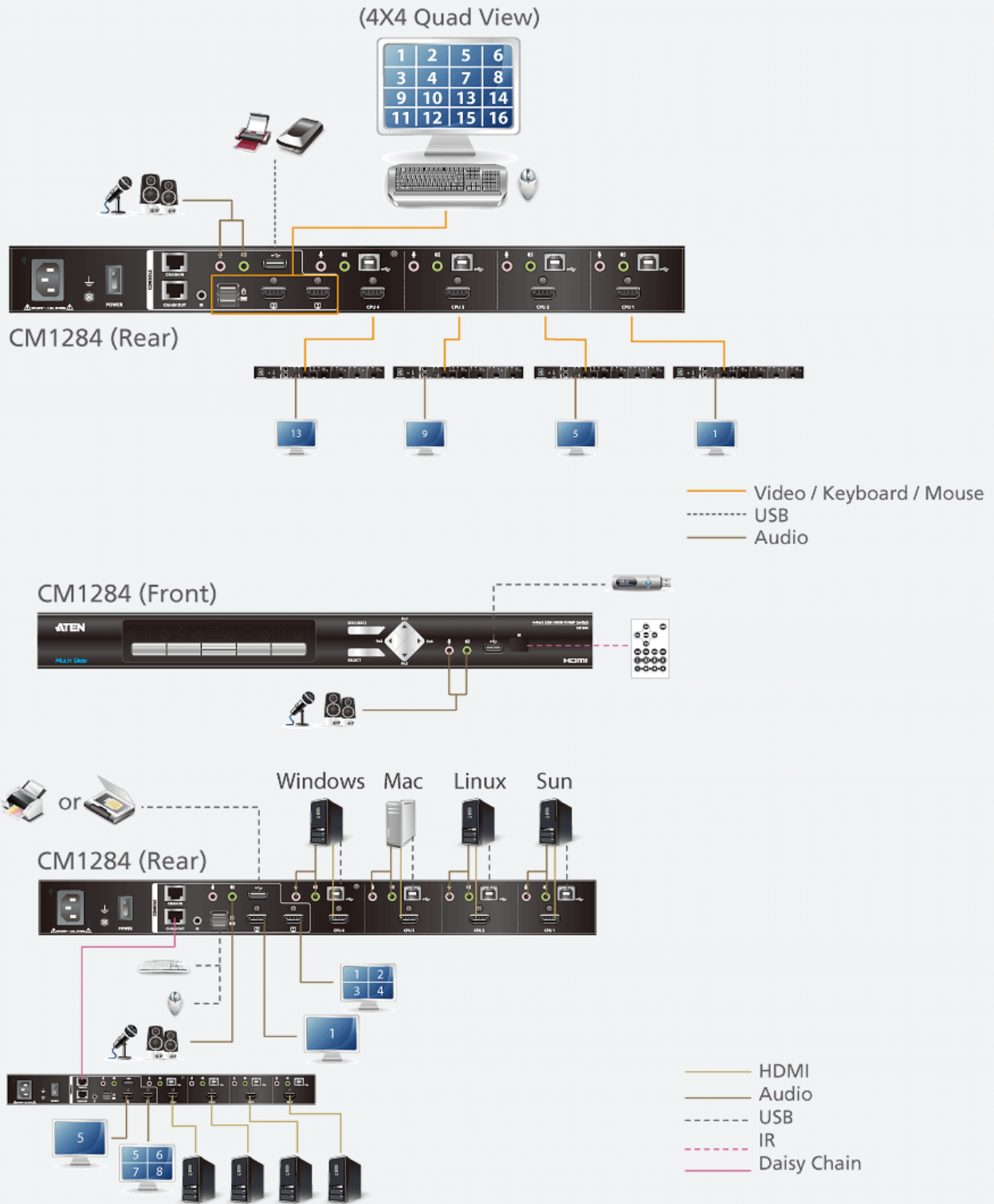
*Mouse port switching is only workable under mouse emulation mode and is for 3-key USB wheel mouse only

**PC keyboard combinations emulate Mac keyboard. Mac keyboard only work with their own computers

Specifications

Computer Connections	4
Port Selection	Pushbuttons, Hotkeys, IR Remote Control, On-Screen Display(OSD), Mouse, 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 (White) 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
LEDs	
KVM	4 (Orange)
Audio	4 (Green)
USB	4 (Green)
Emulation	
Keyboard / Mouse	USB
Video	4096 x 2160 @ 30 Hz
Scan Interval	5, 10, 15, 30, 60, 90 seconds (default: 5 seconds)
Maximum Input Power Rating	100-240 VAC; 50/60 Hz; 1A
Power Consumption	AC110V:16.0W:101BTU AC220V:14.8W:95BTU
Environmental	
Operating Temperature	0-40°C
Storage Temperature	-10-60°C
Humidity	0-80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	2.46 kg (5.42 lb)
Dimensions (L x W x H)	43.72 x 16.40 x 4.40 cm (17.21 x 6.46 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





Simply Better Connections

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