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Simplified Touch Screen Solutions



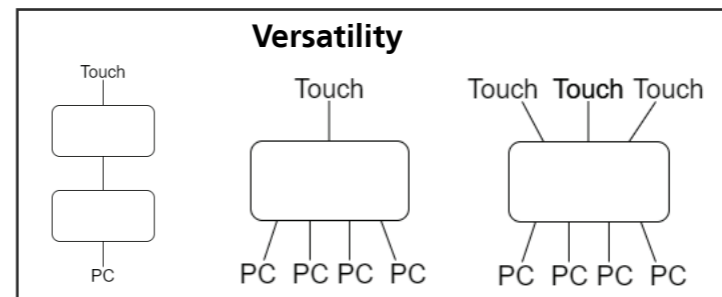
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How to integrate touch screens seamlessly

- **Have you heard about USB distance limitation?**
Usually USB 2.0 cannot go over 5m away, hence USB extender solutions.
- **Are you looking to connect more than a single PC to a touch screen?**
Did you know, a KVM switch offers ease of switching and enables 3rd party integration.
- **Push the limit with Networked AV**
The ideal solution for integrating multiple touch screens when connecting to a single or many computers.
- **Looking for a turnkey solution for the meeting / classroom / training room?**
ATEN's presentation matrix switch with a built-in KVM switch is your ideal solution.



Simple Touch screen Solutions



VE803
HDMI/USB CAT5 EXTENDER



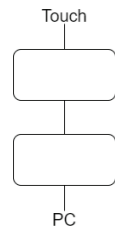
VE8950
4K HDMI OVER IP



CE820
USB HDMI HDBASET 2.0
KVM EXTENDER



CE680 / CE690
USB DVI Optical
KVM Extender



Increase USB reach with ATEN KVM extenders

Don't be limited to 5m away from a touch screen, ATEN offers a full range of KVM extenders that allows you to extend the distance between your console and the computer by up to 20KM. Ideal for touch screen installations such as classroom and hospital facilities.

HDMI Equalizer

VE803 (1080p @40m) - Most cost effective option for USB and HDMI signal transmission

HDMI Over IP

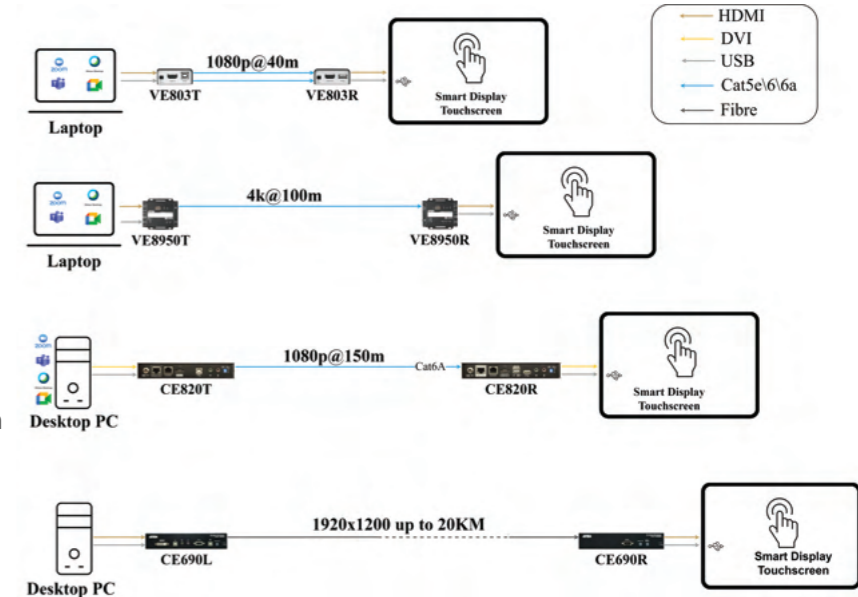
VE8950 (4K @100m) - Multicast solution easy to deploy with a single cable in point to point

HDMI over HDBaseT 2.0

CE820 (1080p @150m) - No compression and micro second latency in addition of long reach mode

DVI over Fiber

CE680 / CE690 (1920x1200 @600m/20km) EMI resistance for high secure and extra long transmission



Multiple sources to a touch screen



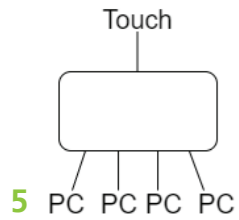
CS724KM
4-port USB Boundless KM Switch



CS1822 | CS1824
2 / 4-Port USB 3.0 4K HDMI KVMP™ Switch



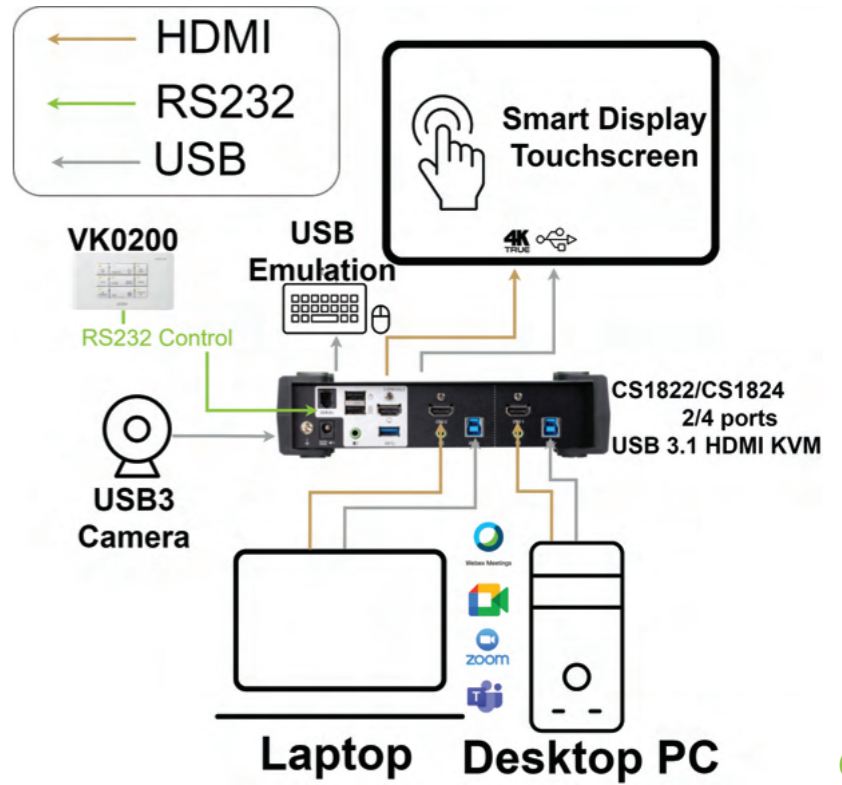
CM1284
4-Port USB 4K HDMI Multi-View KVMP™ Switch



Share touch screen via HDMI and USB

All in one solution, perfect fit for meeting room and classroom applications. The ATEN CS1822 KVM Switch offers effortless management of two HDMI interface computers from a single USB keyboard, mouse and HDMI touch screen with the help of a built-in USB 3.1 Gen 1 hub.

- Commands**
Supports RS-232 serial commands
- Emulation**
USB Emulation for keyboard and mouse
- USB 3.1 Gen 1 hub**
USB 3.1 Gen 1 hub for an additional peripherals
- Superior video quality**
4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz
HDMI 2.0 compliant; HDCP 2.2 compliant
- Video DynaSync™**
Exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Power on detection**



Share touch screen via USB with multiple PC's

Integrate your touch screen solution smoothly with up to 4 computers. CS724KM offers external control via RS232 commands, in addition of 2 x USB 2.0 peripheral ports for touch screen and additional device.

Commands

Supports RS-232 serial commands

Emulation

USB Emulation for keyboard and mouse

Port Selections

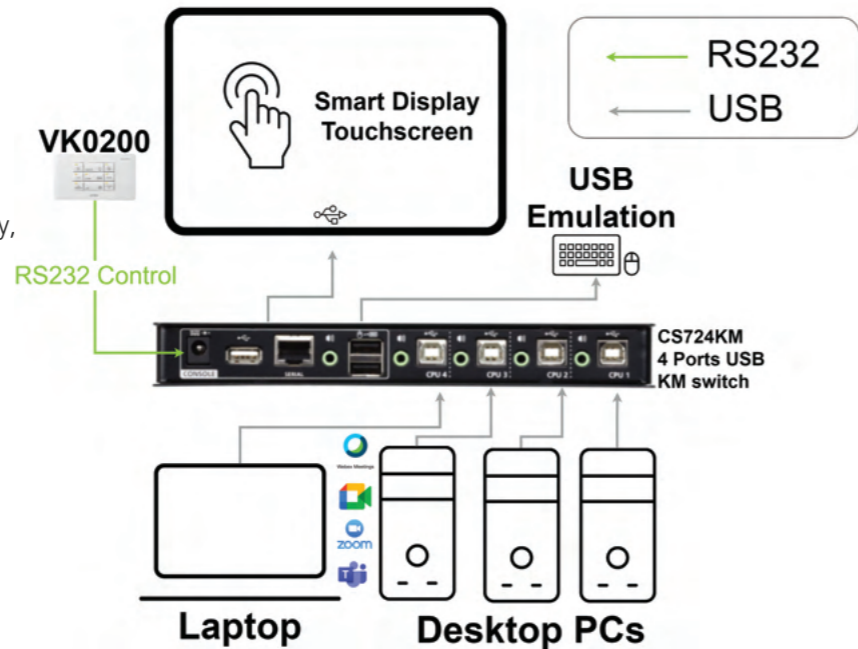
Via front panel pushbutton, keyboard hotkey, mouse cursor, mouse wheel and RS-232

Bus-Powered

No external power adapter required

Compatibility

Compatible with Cat5 extender UCE60 to extend devices up to 60m



Multi-view and control multi PC's via touch

With the help of the built-in toolbar, the CM1164A CM1284 offers a unique way to switch not only computer ports but also display layout from the touch screen.

Commands

Supports RS-232 serial commands

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)

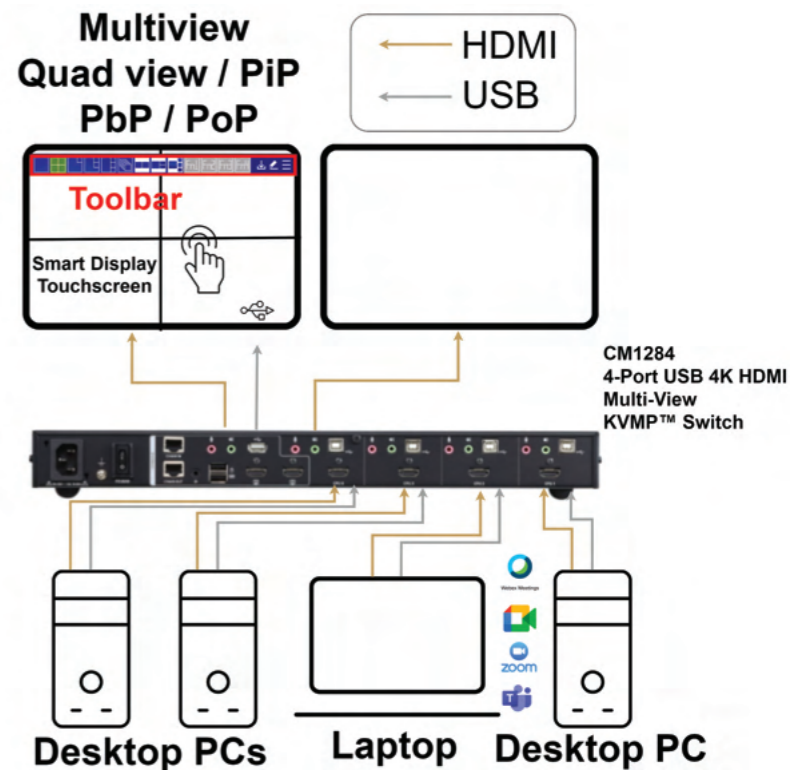
Video DynaSync™

Exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching among different sources

Emulation

USB Emulation for keyboard and mouse

Power on detection



Multiple sources and Touch Screens



**VE8950 / VE8952 (POE)
4K HDMI OVER IP**

Networked AV

Connection	Video Over IP			
	HDMI			
Video Interface	VE8952T	VE8952R	VE8950T	VE8950R
Model	VE8952T	VE8952R	VE8950T	VE8950R
Inputs to Outputs	Multiple to Multiple		Multiple to Multiple	
Max. Resolution / Distance	4K@100m	4K@100m	4K@100m	4K@100m
HDCP	1.4	1.4	1.4	1.4
Audio	• (HDMI / Stereo)	• (HDMI / Stereo)	• (HDMI / Stereo)	• (HDMI / Stereo)
RS-232 Channel	•	•	•	•
IR Channel	•	•	•	•
USB Channel	•	•	•	•
Scaler	N/A	•	N/A	•
POE	•	•	N/A	N/A

Touch Touch Touch



9 PC PC PC PC

Touch screen Matrix

ATEN's Video over IP with touch screen capability delivers visually lossless 4K AV signals with low latency over long distance. VE8950/VE8952 is an ideal product for a wide range of environments, such as trade shows, airports, university campuses, conference centers, and shopping centers.

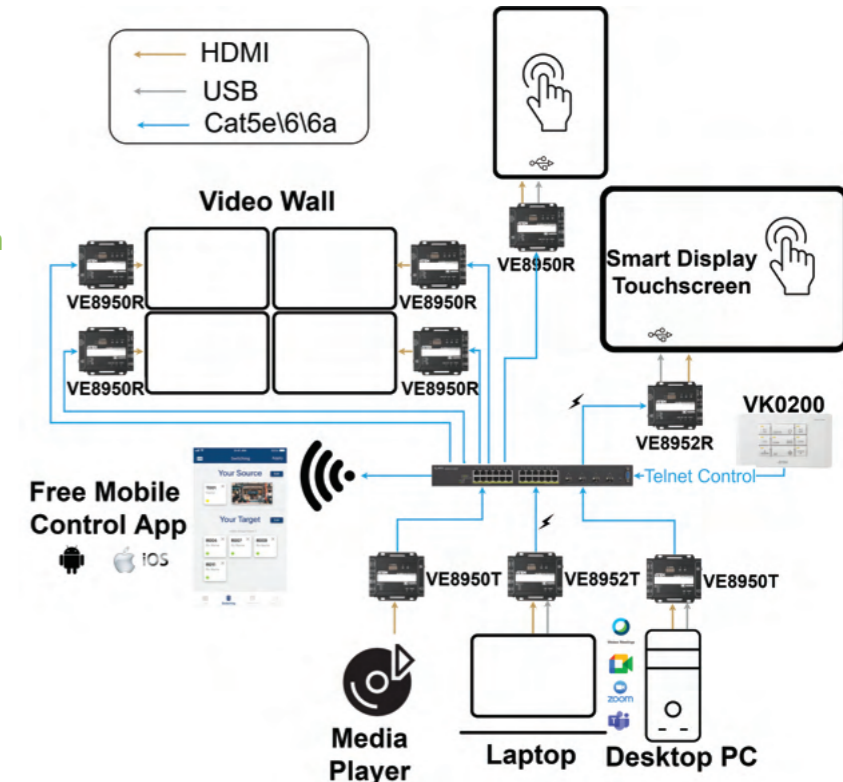
Limitless Flexibility and Scalability
Offering multi-functionality in extender, splitter, matrix switch, and video wall applications.

Collaboration with ATEN Control System
Directly operate VE8950R via CLI Telnet or RS-232 protocol from ATEN control system or 3rd Party

Free Mobile App
Preview sources, control the Matrix with the tip of your finger

No additional server PCs or software
Manage your AV over IP system by logging from the web GUI.

Go further for less with daisy chaining
Expand the AV network coverage and lowering costs per-port.



Multi-format Touch Screen Integration

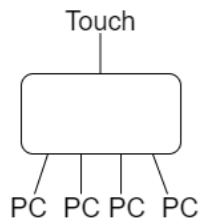


VP1920
9 x 2 4K Presentation Matrix Switch

Optional Accessories

Description	Part No. / Spec.	Page No.
HDMI Cable*	2L-7D02H-1 (2m) / 2L-7D03H (3 m)	11-5
HDBaseT Cat 6 Cable	2L-2910	11-1
Low Skew Cable	2L-2801	11-3
LockPro™ (HDMI Cable Lock)	2X-EA12	12-1
Full Range IR Receiver (30-56KHz)	2XRT-0003G-1	12-2
Full Range IR Emitter (30-56KHz)	2XRT-0004G	12-2
Network Switch	ES0152 / ES0152P	Altusen 3-34

*Cables with different lengths are available



Enhance Interaction

ATEN Presentation switch with touch screen capability is suitable for all small-to-medium sized corporate and education presentation environments, such as meeting rooms, classrooms, training rooms, or any other presentation setting, such as in exhibition centres or hotels.

Compact device

A compact device that consolidates multiple source formats and integrates easily with a digital podium

Easy integration

Easily integrates a touch panel into one system and mirrors the content to the projector screen

De-clutter

A simplified system by reducing the number of extra switches / converters / USB extenders

Matrix display mode

VP1920 supports matrix display mode

