HDMI 2.0 MULTIVIEW DUO
KVM PROCESSOR (4 in, 2 out)
M33-HB4HA2

OVERVIEW

Partilink M33-H04H02 is a *HDMI 2.0 and USB 2.0 KVM Switch & Multiviewer with 4-port HDMI/ USB PC inputs and dual HDMI outputs to do multiview and extension display, KVM switch and control simultaneously.* It's designed to enhance the productivity and effectiveness from a single work station for straight forward operation in monitoring, switch and control.

With the built-in KM feature to command/ control and real time access to 4K60 multiview 4 PC/ servers, users can instantly take control of the target computer by simply moving the mouse among the 4 windows from the primary multiview display and extend the target computer to the secondary display for further operation.

FEATURES

- Supports 4-port HDMI 2.0 and USB 2.0 PC inputs and 2-port HDMI 2.0 outputs
- Supports dual displays including primary multiview mode display and secondary single PC/server/ window extension for full screen mode display
- Supports USB touch screen
- Supports input resolutions and output resolutions up to 4K@60Hz 4:4:4 color sampling for each port
- Scaling up to 4K60Hz, 4:4:4 color sampling, deep color and able to downscale
- Supports HDCP 1.4/ 2.2 for input signals and output connection
- Supports multi-view pre-defined and user-defined layout on primary display
- HDMI digital audio and HDMI audio de-embedded to analog stereo audio for output
- Controls by OSD, web UI, RS232/RS422/RS485, front panel button and touch screen
- Firmware upgradable via USB port
- Built-in power supply
- Supports most of the O.S. including Windows, Linux, Mac, Chrome ..etc.
- External EDID management and loading

SPECIFICATION

MODEL NO.	M43-H04H02	
COMPUTER/ SERVER PORT **INPUT INTERFACE**	4 x HDMI 2.0 Type-A 4 x USB 2.0 full speed Type-B for keyboard/ mouse/ touch screen 4 x USB 3.0 super speed Type-B for data transfer	
INPUT RESOLUTION	640 x 480p@60, 1280 x 720p@60, 1920 x 1080p@60 3840 x 2160p@30, 3840 x 2160p@60	
CONSOLE PORT **OUTPUT INTERFACE**	2 x HDMI 2.0 Type-A 4 x USB 2.0 full speed Type-A for keyboard/ mouse/ touch screen 2 x USB 3.0 super speed Type-A for mass storage 1 x USB 2.0 Type-A for firmware upgrade Terminal block 3 pole, stereo audio	
OUTPUT RESOLUTION	1280 x 720p@30, 1280 x 720p@60, 1600 x 1200p@60, 1920 x 1080p@30, 1920 x 1080p@50, 1920 x 1080p@60, 1920 x 1200p@60, 2048 x 2048p@57, 3840 x 2160p@30, 3840 x 2160p@50, 3840 x 2160p@60, 4096 x 2160p@50, 4096 x 2160p@60	
OUTPUT COLOR FORMAT	4:4:4, 24 bpp	
HDMI COMPLIANCE	HDMI 1.4 and HDMI 2.0	
BANDWIDTH	18 Gbps	
FRONT PANEL	1 x Panel Lock button 4 x Navigation button 1 x Menu button for OSD and Navigation enter 1 x Audio button for audio output setting 4 x Input button for audio output source status 2 x LED button for power and unit status	
HDCP COMPLIANCE	HDCP 1.4 and HDCP 2.2	
CONTROL METHODS	RS232	1 x D9 female connector
	RS485 / RS422	5-pole terminal block
	Ethernet	1 x RJ45
	Web UI	Browser/ touch screen via smartphone or tablet
FIRMWARE UPGRADE	USB 2.0	
POWER	Power Supply	Built-in power module 100-240ACV (50/60 HZ)
	Power Consumption	32 W
ENVIRONMENT	Operating Temperature	0℃ ~ 40℃
	Operating Humidity	0% ~ 80% RH
	Storage Temperature	-20℃ ~ 60℃
DIMENSION	240 x 371 x 88 mm (L x W x H)	
WEIGHT	3.9 KG	

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CONNECTION DIAGRAM

■ HDMI   ■ USB B   ■ USB A   ■ AUDIO   ■ RS232   ■ CAT X / Fiber Optics

Primary Display
Quadview Mode

Secondary Display
Single-View Extend Mode

Monitor

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POWER STATUS   INPUT A B C D   AUDIO MENU   PANEL LOCK

QUADVIEW DUO KVM

OUTPUT   HDMI 1   HDMI 2   PC A PC B PC C PC D RESET

CE FC   INPUT   HDMI A HDMI B HDMI C HDMI D   RS485 RS422 TX+ TX- GND RD+ RD-   L GND R AUDIO   ETHERNET   RS232   SERVICE   ⏻ AC POWER 100 - 240 VAC 50 - 60 Hz 2.1 A

PC A   PC B   PC C   PC D   Speakers   PC
(Adminstrator)   Mouse   Keyboard   USB

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KVM MULTIVIEW & MOUSE ROAMING/ FULL SCREEN MODE

LANDSCAPE MULTIVIEW MODES

WINDOW EXTENSION MODE

OR

Speakers

PC A

PC B

PC C

PC D

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PC
(Adminstrator)

USB

Keyboard

Mouse

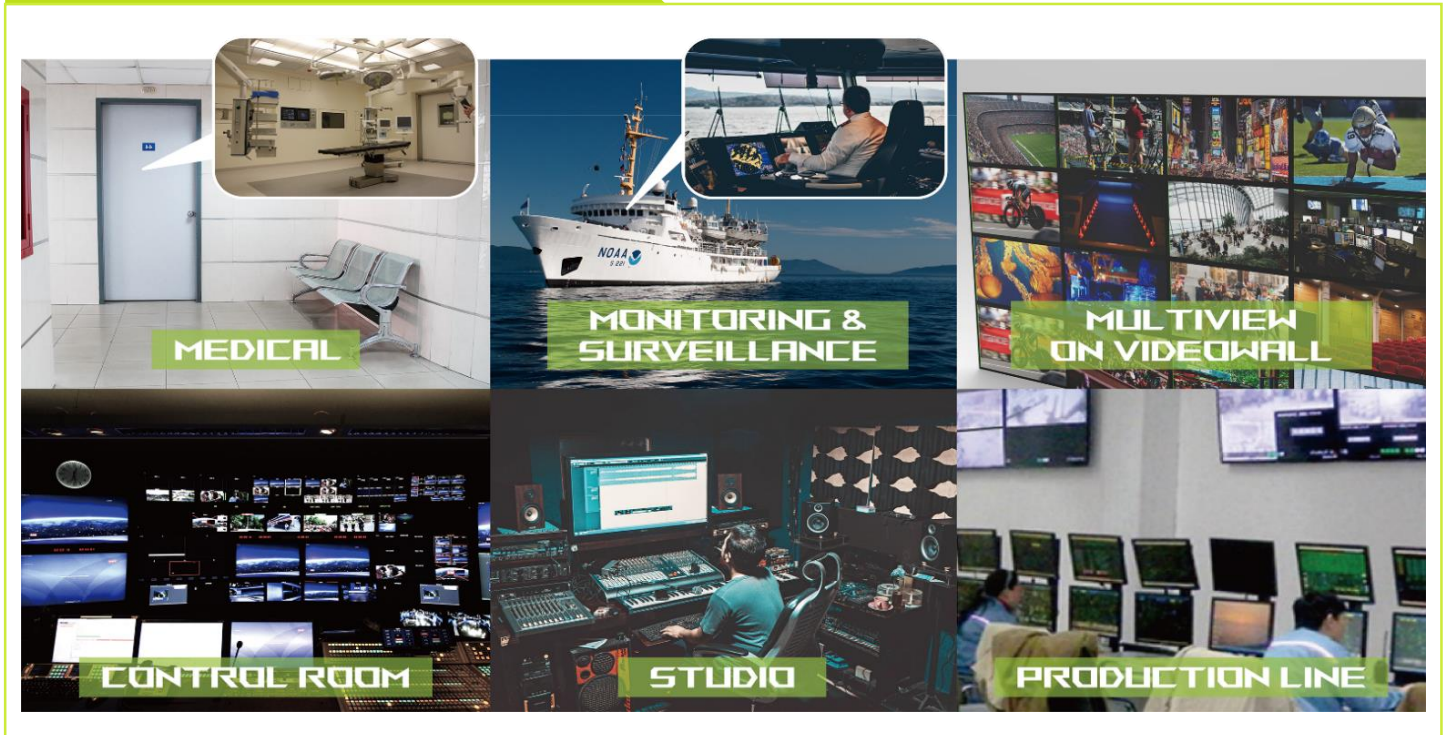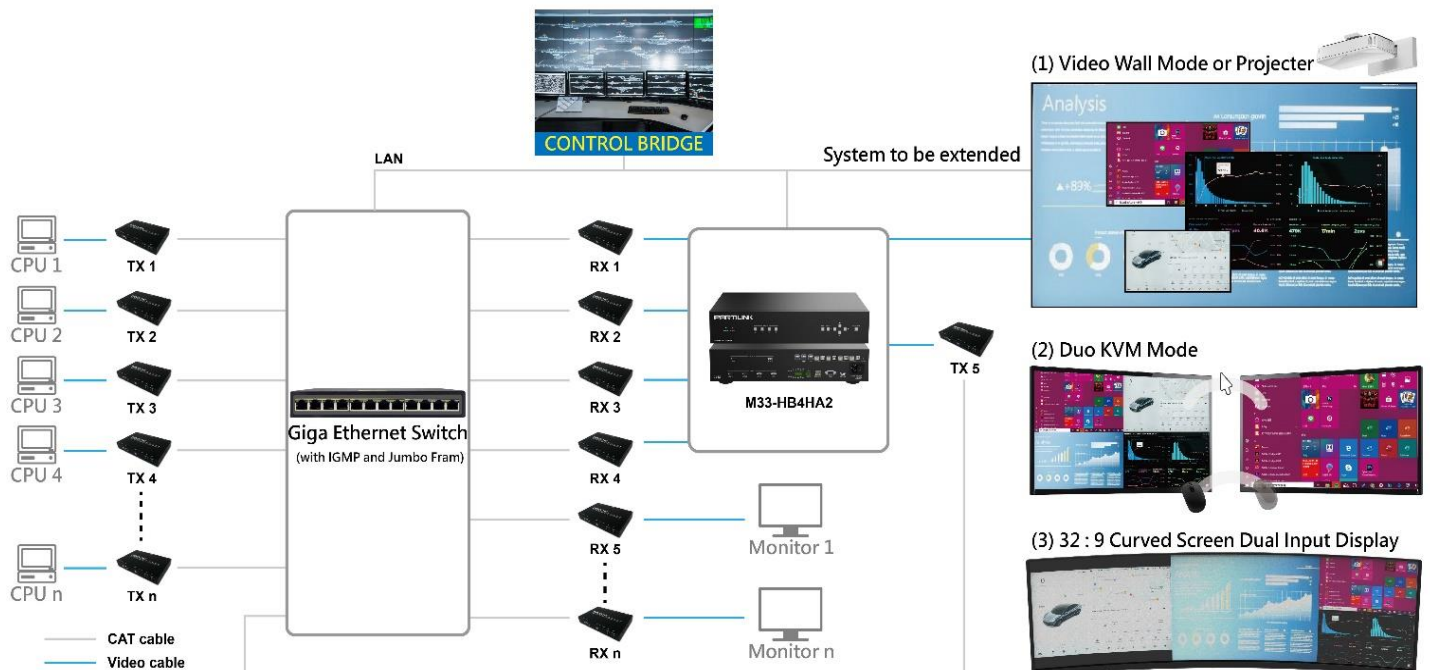■ HDMI   ■ USB B   ■ USB A   ■ AUDIO   ■ RS232   ■ CAT X / Fiber Optics
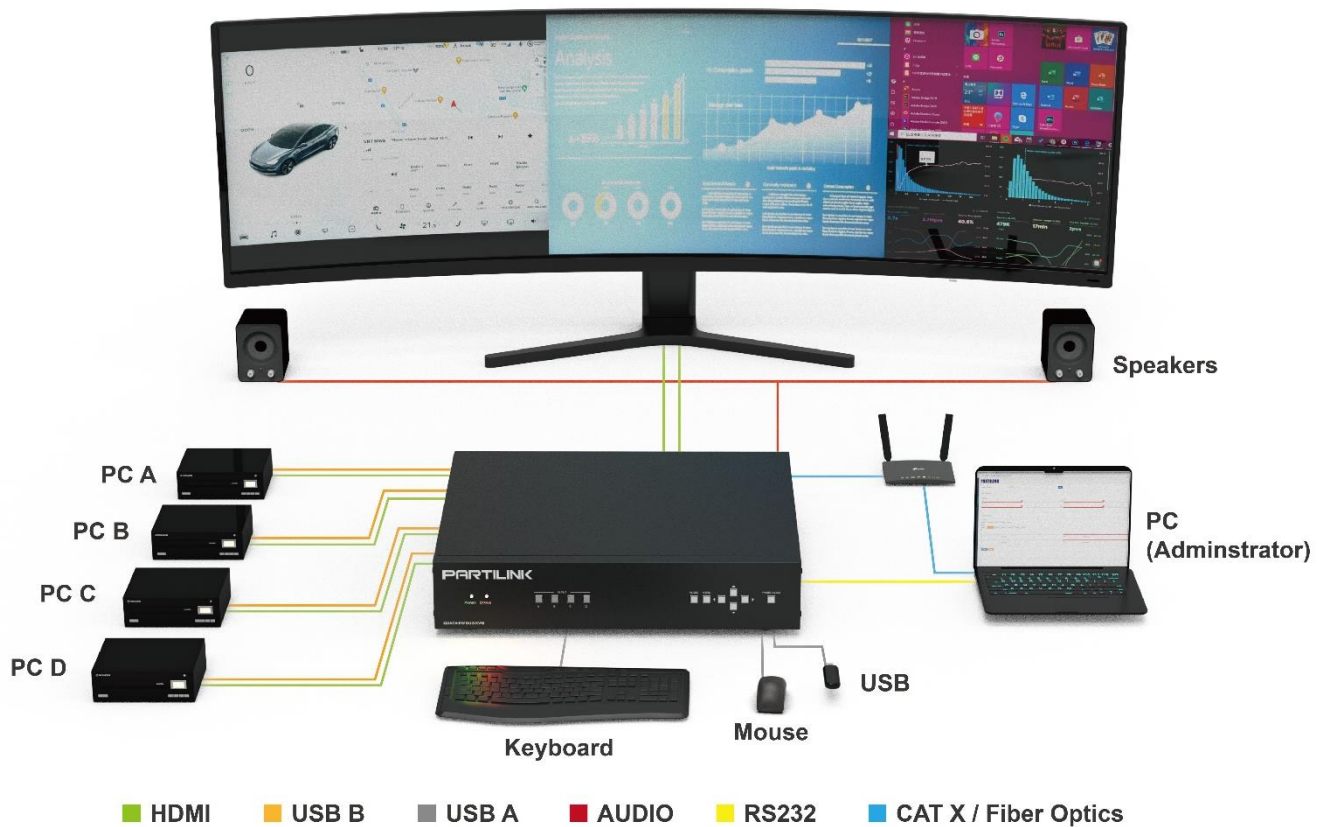
APPLICATION

- **APPLICATION INDUSTRY**: education, medical, military & defense, finance & bank industry, petrochemical industry, automation production line, broadcast, surveillance
- **EDUCATION**: smart classroom control System
- **MONITORING CONTROL CENTER** : military control room, disaster reduction control center, transportation control center, server farm monitoring, surveillance control room...etc.
- **CONFERENCE**: multimedia control system
- **MEDICAL** : operation room, waiting area, diagnosis room

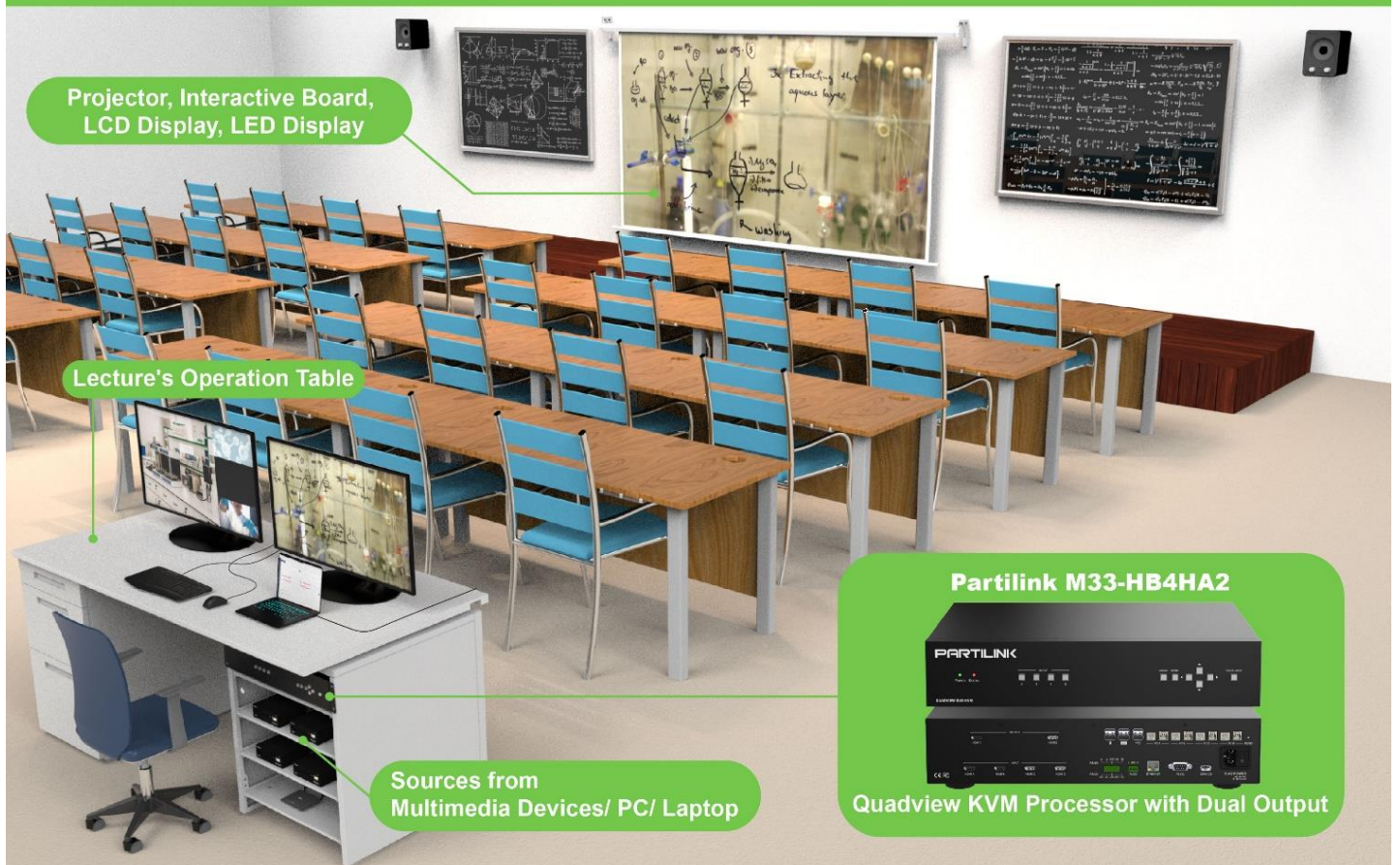### MULTIVIEW INTERGRATION SCENARIO

CONTROL SYSTEM ARCHITECTURE

SMART CLASSROOM

Projector, Interactive Board, LCD Display, LED Display

Lecture's Operation Table

Partilink M33-HB4HA2

Sources from Multimedia Devices/ PC/ Laptop

Quadview KVM Processor with Dual Output

CONTROL ROOM

LED Video Wall
LCD Video Wall
Projector

Operating Console Desk System

Partilink M33-HB4HA2

Quadview KVM Processor with Dual Output Display

Multiple Source Devices, PC and Servers