KanexPro®

2x1 USB-C & HDMI Auto switcher with Video Conferencing Support

Switch and Collaborate One USB-C & One HDMI Input with USB 3.0 for VTC's

MPN: SW-2X14KUSBC

Introducing a holistic approach to conference rooms and small huddle rooms where there is an ever-increasing need to connect USB-C based laptops, tablets and other devices to switch between HDMI and other devices. Enter the **KanexPro SW-2X1USBC** switcher. Intelligently designed to auto-switch between two devices with simultaneous audio. It supports video resolution up to 4Kx2K@60Hz 4:4:4 8 bit and 1080p/60.

USB-C Charging for MacBooks, Tablets and Laptops

The 2X1 switcher allows USB-C charging on the input port up to 60 Watts for MacBook Pro, iPad, or slimport based laptops while you collaborate in huddle rooms.

FEATURES

- True 4K 2x1 auto-switcher with HDMI®2.0 and USB-C inputs
- Intelligent Automatic switching
- Provides charging on USB-C port up to 60W perfect for MacBook & iPads
- Controllable via front panel buttons & RS232.
- Built-in EDID management
- 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision & HDCP 2.2.
- Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port.
- Balanced analog audio for audio de-embedding.
- Peripheral units (e.g. microphone and camera) can be connected by type-A USB (USB 3.0/2.0 ports and automatically switched along with HDMI and USB-C input as USB DEVICES for corresponding HOST.
- Smart EDID management capable for various applications and customized setting.
- Control via front panel buttons
- Handles CEC & RS- 232 commands for display control such as, (ON, OFF, MUTE, VOL+, VOL -)
- Low profile, perfect for lecterns, small to medium sized huddle rooms
- International, locking power supply
- Backed by KanexPro 3 year parts and labor warranty

SPECIFICATIONS

Video Input:
(1) HDMI
(1) USB-C

VIdeo Input Connector:
(1) Type-A female HDMI, (1) Type-C USB

HDMI Input Resolution:
Up to 4K x 2K@30Hz 4:4:4 8 bit

USB-C Input Resolution:
Up to 4K x 2K@30Hz 4:4:4

VIdeo Output Connector:
(1) Type-A female HDMI

HDMI Output Resolution:
Up to 4K x 2K@30Hz 4:4:4 8 bit

HDMI Version: 2.0

HDCP Version: 2.2

USB Version: 3.0

Supported:
HDR 10, CEC, HPD

Audio Output:
(1) Audio out (Stereo balanced L/R)

Audio Output Connector:
(1) 5-pin terminal block

HDMI Audio Format:
LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: XTM, and DTS-HD® Master AudioTM pass-through

Stereo balanced L/R audio Format: PCM

Max Output Level:
2.0Vrms 30.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal

THD+N:
< 0.05% (-80dB), 20Hz ~ 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)

SNR: > 80dB, 20Hz ~ 20KHz bandwidth

Crosstalk Isolation:
> 70dB, 10KHz sine at 0dBFS level (or max level before clipping)

L-R Level Deviation:
< 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping)

Frequency Response Deviation: < 30.5dB 20Hz ~ 20KHz

Output Load Capability:
1KO and higher (supports 10x paralleled 10KO loads)

Stereo Channel Seperation: > 70dB@1KHz

Control: (1) EDID, (1) FW, (1) RS232, (1) HOST, (2) DEVICE

Control Connector:
(1) 4-pin DIP switch, (1) Micro-USB, (1) 3-pin terminal block, (1) Type-B USB 3.0, (2) Type-A USB 3.0

HDMI 2.0 Cable Length:
4K@60Hz 4:4:4 = 5m, 4K@60Hz 4:2:0 = 10m, 1080P = 15m

Bandwidth: 18Gbps

Operation Temperature: -10°C ~ +55°C

Storage Temperature: -25°C ~ +70°C

Relative Humidity: 10% ~ 90%

External Power Supply:
Input: AC 100-240V, 50/60Hz, Output: 24V DC 2.71A

Power Consumption: 60W (Max)

Dimension (W*H*D*): 6.6"x0.96"x3.74"

Net Weight: 0.54 lbs. (245g)

APPLICATION DIAGRAM