KanexPro®

2-Input Collaboration System for Huddle Rooms

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

MPN: SW-2X14KUSBC

The **KanexPro SW-2X1USBC** switcher addresses the ever-increasing need to connect USB-C based laptops, tablets, and other devices in conference rooms and small huddle rooms. The SW-2X1USBC is intelligently designed to auto-switch between two devices. It supports video resolution up to 4K@60Hz 4:4:4 8-bit, 2K@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 inputs as USB DEVICES for corresponding HOST
- Provides smart EDID management for various applications and customized setting
- Front panel buttons provide effortless control
- Handles CEC & RS-232 commands for display control such as: (ON, OFF, MUTE, VOL-, VOL +)
- Low profile; perfect for lecterns and small to medium sized huddle rooms
- International, locking power supply
- Backed by KanexPro's 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 4Kx2K@30Hz 4:4:4 8 bit

USB-C Input Resolution:
Up to 4Kx2K@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

Supports:
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) DEVICES

Control Connectors:
(1) 4-pin DIP switch, (1) Micro-USB, (1) 3-pin terminal block, (1) Type-C 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

Operating Temperature: -10°C to +55°C (14°F to +131°C)
Storage Temperature: -25°C to +70°C (-13°F to +158°C)
Relative Humidity: 10% ~ 90%

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

Power Consumption: 60W (Max)

Dimension (WxHxD): 6.6"x0.96"x3.74" (16.76cmx2.44cmx9.5cm)

Net Weight: 0.54 lbs. (245g)