

4x2 Multi-format Collaboration Switch with HDMI/HDBT3.0 330ft Extension

The collaboration switch is a pair of a host device and a remote device that includes USB-C and HDMI inputs for up to four host PCs, plus adds up to five(5) peripheral devices such as a camera, microphone, speakerphone, keyboard, and mouse with USB 2.0. The receiver also supports local HDMI+USB input for BYOD (Bring Your Own Device) or PC devices. Host and Remote devices support audio de-embedded to an analog balanced or unbalanced output.

Featured Highlights

- 4x2 Collaboration Switch with HDMI/HDBT 3.0 330ft(100m) extension
- HDMI 2.0b, HDCP 2.3, 18Gbps
- HDBaseT 3.0 4K@60Hz up to 330ft(100m)
- Supports HDR, HDR10+, Dolby Vision
- Host: 1x USB-C, 3x HDMI inputs, 3x USB 2.0 hosts and 3x USB 2.0 devices
- Remote: 1x HDBT, 1x HDMI input, 1x USB 2.0 hosts and 2x USB 2.0 clients
- USB-C supports ALT-DP mode for A/V, USB 2.0 data, and power charging up to 60 watts
- 4K to 1080p downscaling features on all HDMI outputs, no frame rate conversion
- Host/Remote both support analog audio de-embedding
- CEC and RS-232 external display control on both host and remote
- EDID management
- Host supports POE/PSE, Remote supports POE/PD (Remote doesn't have an external DC power supply)
- The front panel button, RS-232, and TCP/IP control (Host TCP/IP port for API and Web GUI)
- The host half rack size for easy installation

SPECIFICATION

HDMI/ HDCP Compliance	HDMI 2.0b/ HDCP 2.3
Video Bandwidth	18 Gbps
Video Compression Standard	HDBT 3.0 (Uncompressed)
Audio/ Video Latency	Zero
Input and Output Video Resolutions	640x480p60Hz, 800x600p60Hz, 1024x768p60Hz, 1280x1024p60Hz, 1360x768p60Hz, 1440x900p60Hz, 1440x1050p60Hz, 1600x1200p60Hz, 1920x1200p60Hz, 720x480i59.94Hz(480i59), 720x480p59.94Hz(480p59), 720x576i50Hz(576i50), 720x576p50Hz(576p50), 1280x720p50Hz(720p50), 1280x720p59.94Hz(720p59) 1280x720p60Hz(720p60), 1920x1080i50Hz(1080i50), 1920x1080i59.94Hz(1080i59), 1920x1080i60Hz(1080i60), 1920x1080p23.98Hz(1080p23), 1920x1080p24Hz (1080p24), 1920x1080p25Hz(1080p25), 1920x1080p29.97Hz(1080p29), 1920x1080p30Hz(1080p30), 1920x1080p50Hz(1080p50), 1920x1080p59.94Hz(1080p59), 1920x1080p60Hz(1080p60) 3840x2160p23.98Hz(2160p23), 3840x2160p24Hz(2160p24), 3840x2160p25Hz(2160p25), 3840x2160p29.97Hz(2160p29), 3840x2160p30Hz(2160p30), 3840x2160p50Hz(2160p50), 3840x2160p59.94Hz(2160p59), 3840x2160p60Hz(2160p60), 4096x2160p23.98Hz, 4096x2160p24Hz, 4096x2160p25Hz, 4096x2160p29.97Hz, 4096x2160p30Hz, 4096x2160p50Hz, 4096x2160p59.94Hz, 4096x2160p60Hz
Color Depth	8/10/12bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Support	USB-C/HDMI/HDBT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD Audio Out [Analog audio, Balanced/unbalanced 2CH, Max output level 2VRMS]
Transmission	HDMI 3M USB-C 2M HDBT 100M 4K @Cat6A
LED Indicators Color	Input LED: Green Input SEL: Black Button with Green backlit
IR Level/ Frequency	12Vp-p/ 20K-60KHz

MECHANICAL

Housing Material	Front panel: Aluminum; Rear case: Metal Enclosure
Color	Black
Dimensions	TX: W x D x H: 220mm x 150mm x 44mm RX: W x D x H: 140mm x 105mm x 21.5mm
Weight	Host: 1.16Kg; Remote: 424g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 24V/6A (US/EU standard, CE/FCC/UL certified)
Power Consumption	100W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20%~90% RH (No Condensation)

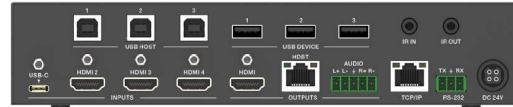
INTERFACE/ CONNECTIONS

Host - Front Panel



- 1x IR Receive Window
- 4x HDMI OUT SEL LED [Green color]
- 1x HDMI OUT SEL Button [Black Button with Green backlit]
- 4x HDBT OUT SEL LED [Green color]
- 1x HDBT OUT SEL Button [Black Button with Green backlit]
- 1x POWER Button [Black Button with Green backlit]

Host - Rear Panel



- 3x USB HOST [Type B, 4-pin female]
- 3x USB DEVICE [USB Type A, 4-pin female]
- [VBUS max 5V/500MA, USB device ports output power only when USB Host is present]
- 1x IR IN [3.5mm audio jack, 12V level]
- 1x IR OUT [3.5mm audio jack, 12V level]
- 1x USB-C IN [Type A, 24-pin female] [Alt-mode, DP, USB 2.0, 60W charging]
- 3x HDMI IN [Type A, 19-pin female]
- 1x HDMI OUT [Type A, 19-pin female]
- 1x HDBT OUT [RJ45 connector] [48V POE/PSE]
- 1x AUDIO OUT [5-pin phoenix, 3.81MM pitch]
- [Analog audio out, Balanced/unbalanced 2CH, Max output level 2VRMS]
- 1x TCP/IP [RJ45 connector]
- 1x RS-232 [3-pin phoenix, 3.81MM pitch]
- 1x DC Locking Connector [24V/4A]

RX - Front Panel



- 1x POWER LED [Red SMT]
- 1x LINK LED [Green SMT]
- 1x VIDEO LED [Green SMT]
- 1x HDBT LED [Green SMT]
- 1x HDMI LED [Green SMT]
- 1x SELECT Button [HDBT/HDMI input select]
- 1x IR IN [3.5mm audio jack, 12V level]
- 1x IR OUT [3.5mm audio jack, 12V level]
- 2x USB DEVICE [USB Type A, 4-pin female]
- [VBUS max 5V/500MA, USB device ports output power only when USB Host is present]
- 1x Service [Micro USB, 5-pin female]

RX - Rear Panel

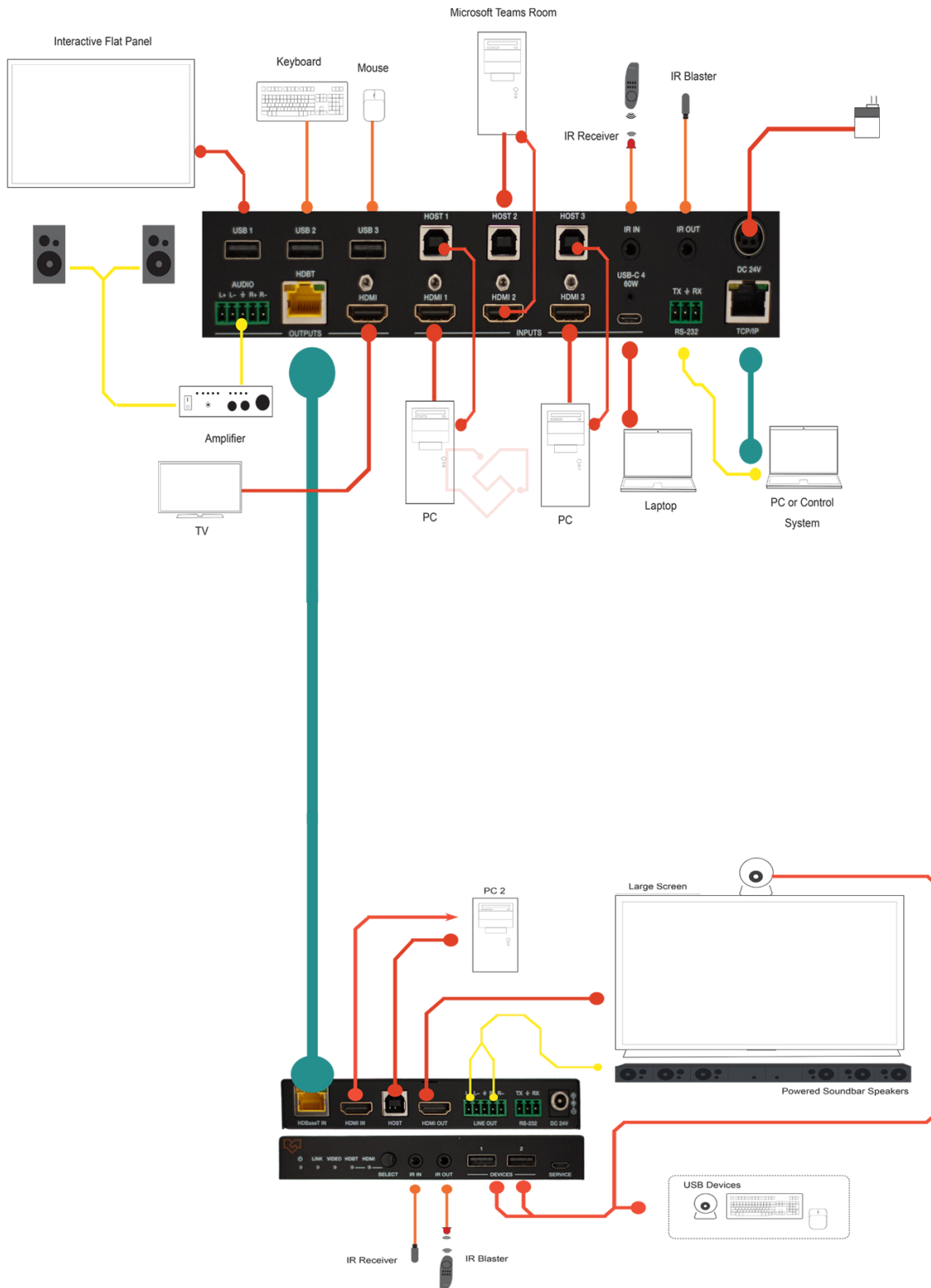


- 1x HDBT IN [RJ45 connector] [48V POE/PD]
- 1x HDMI IN [Type A, 19-pin female]
- 1x USB HOST [Type B, 4-pin female]
- 1x HDMI OUT [Type A, 19-pin female]
- 1x LINE OUT [5-pin phoenix, 3.81MM pitch]
- [Analog audio out, Balanced/unbalanced 2CH, Max output level 2VRMS]
- 1x RS-232 [3-pin phoenix, 3.81MM pitch]
- 1x DC Locking Connector [24V/1A, 19MM]

Shipping Group

Host Device, Remote Device, Remote Controller, Power Supplier

APPLICATION EXAMPLE



Applications: Conference Rooms, MTR (Microsoft Teams Room), Zoom Room, and Operating Rooms