



## HT-GEMINI

4K 6 Multifformat Input Extender Switch with USB Extension for Softcodec



HT-GEMINI-RX

HT-GEMINI-TX



### PRODUCT OVERVIEW

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This product is a 4K 6 Multi-format Inputs Extender Switch with USB Extension for a soft codec, which provides AV switching, USB, HDMI, DP, VGA, and USB-C extension, plus system control for meeting spaces using PC-based conferencing codecs such as Microsoft Skype, Webex by Cisco and Citrix GoTo Meeting. The kit offers six video inputs shared between both devices for HDMI, Display Port, VGA plus analog audio in and USB-C video signals. To simplify conference room device management, the kit provides four USB Type-B connectors for host computers. Six built-in USB hubs, three on the transmitter and three on the receiver, allow for numerous Human Interface Devices (HID) as well as USB cameras and microphones.

The kit is compatible with Ultra High-Definition source up to 4K/UHD@60 Hz with 4:2:0 color subsampling. All audio, video, data, control, USB, and Ethernet transmission between the two devices is carried over a single, Ethernet-enabled HDBaseT link up to 100m/330ft.

It simplifies classroom and small office system integration, for installation beneath conference tables and in lecterns, to provide localized presentation switching support

### FEATURES

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- HDMI 2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only) and HDCP 2.2 compliance, VGA input up to 1920x1200@60Hz.
- Provides a variety of interfaces including USB-C to simplify meeting room devices management.
- Inputs connected to either the transmitter or the receiver can be displayed on the HDMI out on either the transmitter or the receiver or both simultaneously.
- Automatically detects active inputs when sources are connected.
- Supports USB hosts such as Desktop and Laptop, and peripheral USB devices such as keyboard, mouse, microphone, speaker, camera, and whiteboard for a conference system.
- Ethernet can be connected into either the receiver or the transmitter, providing LAN accessibility for users.
- Allows connected displays to be controlled via CEC commands or front panel buttons.
- Relay commands can be triggered to control relay devices such as projection screens.
- RS232 pass through; IR pass through from TX to RX.
- API Control via LAN interface and RS232-C.
- De-embedded audio can be routed out of the Receiver to an external amplifier.



Scan for more information, including product manual, specifications, and downloads



**TRANSMITTER:**

<b>Technical</b>	1 x VGA IN, 1 x Audio IN (powered with VGA IN), 1 x HDMI IN, 1 x DP IN, 1 x USB-C IN, 1 x HD-BT OUT, 1 x HDMI OUT, 2 x LAN, 1 x RS232-P, 1 x RS232-C, 2 x USB HOST, 3 x USB DEVICE, 1 x IR IN, 1 x DC 12V IN
<b>Input / Output Ports</b>	HDMI 2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only) DP/USB-C: DP 1.2
<b>Input Signal Type</b>	HDMI2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only); HDBT2.0
<b>Output Signal Type</b>	HDMI: 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1400 x 1050@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p@50Hz, 576p@50Hz, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 1080 @50/60Hz, 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz DP/USB-C: 800x600@60 Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440 x900@60Hz, 1600 x900@60Hz, 1600 x1200@60Hz, 1680 x 1050@60Hz, 1920 x1080@60Hz, 1920 x1200@60Hz, 1280x720P@50Hz, 1280x720P@60Hz, 1920x1080P@50Hz, 1920x1080P@60Hz, 3840x2160@50Hz, 3840x2160@60Hz, 4096x2160@50Hz, 4096x2160@60Hz VGA: 640 x 480@60Hz, 800 x 600@60Hz, 1024 x 768@60Hz, 1280 x 720@60Hz, 1280 x 768@60Hz, 1280 x 800@60Hz, 1280 x 1024@60Hz, 1360 x 768@60Hz, 1366 x 768@60Hz, 1400 x 1050@60Hz, 1440 x 900@60Hz, 1600 x 1200@60Hz, 1680 x 1050@60Hz, 1920 x 1080@60Hz, 1920 x 1200@60Hz NOTE: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only
<b>Resolution Supported</b>	
<b>Maximum Pixel Clock</b>	297MHz
<b>Audio Format Supported</b>	HDMI: Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Do by TrueHD, Do by Atmos, DTS-HD Master Audio and DTS:X AUDIO IN: PCM 2.0

**RECEIVER:**

<b>Technical</b>	1 x HDBT IN, 2 x HDMI IN, 1 x HDMI OUT, 1 x IR OUT, 1 x RS232-P, 1 x RS232-C, 2 x LAN, 3 x USB DEVICE, 2 x USB HOST, 1 x SCREEN UP, 1 x SCREEN DOWN, 1 x DC 12V IN
<b>Input/Output Ports</b>	HDMI2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only); HDBT2.0
<b>Input Signal Type</b>	HDMI2.0
<b>Output Signal Type</b>	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1400 x 1050@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 1080 @50/60Hz, 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz NOTE: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only
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**General**

<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 70°C (-4°F to 158°F)
<b>Humidity</b>	10% to 90%, non-condensing
<b>Surge Protection</b>	Voltage: ±1 kV
<b>ESD Protection</b>	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
<b>Power Supply</b>	DC12V 2A
<b>Power Consumption (Maximum)</b>	16.5W
<b>Device Dimension (W x H x D)</b>	220mm x 42mm x 150mm / 8.66" x 1.65" x 5.91"
<b>Product Weight</b>	0.95kg/2.09lb

**Transmission Distance**

Note: T5688 straight-through Category cable is recommended.

Cable Type	Range	Supported Video
Cat 5e	100m/330ft 90m/300ft	Up to 1080p 60Hz 36bpp 1080p 60Hz 48bpp 1080p 60Hz 3D
Cat 6/6a/7	100m/330ft	4K2K/30Hz/4:4:4 24bpp 4K2K/60Hz/4:2:0 24bpp

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<b>ESD Protection</b>	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
<b>Power Supply</b>	DC12V 2A
<b>Power Consumption (Max)</b>	14.5W
<b>Device Dimension (W x H x D)</b>	220mm x 42mm x 150mm / 8.66" x 1.65" x 5.91"
<b>Product Weight</b>	0.97kg / 2.14lb