



HEALTHCARE APPLICATIONS

AUDIO VIDEO + DATA SOLUTIONS

HALL
TECHNOLOGIES



FIBER
OPTIC



Audio and Video + Data Solutions for Healthcare Applications



IT and Server Rooms



Medical Imagery and Endoscopy



Patient Monitoring



Integrated Operating Rooms



Education and Training Rooms

Dual 4K HDMI, USB, AUDIO, & RS-232 over 1 CAT6 Extender with Daisy-Chainable Receivers

Extend high-resolution digital video and USB signals on just one Cat6 cable to 100 meters with these plug-and-play extenders. The new GEM-EX is perfect for extending dual video PCs to one or more remote stations. Video supports 1920x1080, 2560x1440, 2560x1600, and 4K UHD. The USB extension supports keyboard, mouse, touchscreens, printers, scanners and a host of other USB 1.1 and 2.0 devices. Connect multiple Receivers to the same transmitter to show both video signals and automatically control the PC using their keyboard and mouse.



GEM-EX-S



GEM-EX-S

- Supports high resolution HDMI video including FHD (1920x1080), WQHD (2560x1440), and 4K UHD (3840x2160) Two video streams, one USB port, one audio signal, and two RS-232 ports extended over a single CAT6 cable up to 100 m/328 ft.
- Full plug-and-play support with USB keyboard, mouse, and connected peripherals
- Computer OS independent - No driver or software required
- Local HDMI and USB outputs on the transmitter
- Two transmitter extension outputs and one Receiver daisy-chain output to distribute video to multiple locations
- No video calibration required; no video quality reduction due to cable length or resolution
- Locking power supply connector to prevent inadvertent disconnection
- Transmitter includes mounting ears for standard 19" rack; receiver includes mounting brackets for surface mounting.

4K Video and USB HDBaseT 2.0 Extender (Transmitter + Receiver)



- Extends 4K@60Hz up to 100 m and 1080p@60Hz up to 150m
- HDMI 2.0, HDCP 2.2 compliant and supports HDR10
- Perfect for KVM Extension (accessing a PC from a remote location)
- HDMI loop-output on the transmitter
- Audio extraction on the receiver (Analog and SPDIF)
- Support LPCM 7.1, DTS-HD, Dolby-HD

Desktop and Rack Console KVM Switches

Our high-performance KVM Switches support video resolutions up to 4K (3840 x 2160), and emulate a USB keyboard and mouse. Each video input behaves as an HDMI display even when it is not selected. These features not only speed up switching times, but the connected PCs are also unaware of the output routing and do not sense a disconnect. Advanced EDID management ensures all connected PCs work seamlessly even if the connected display is off.

4-Port HDMI KVM Switch with USB 2.0 and 4K Video Support

- Supports high resolution video such as 1920x1080, 2560x1440, 2560x1600 and 3840x2160
- 4 Individual buttons on the front panel for selecting inputs Full plug-and-play support with USB keyboard, mouse, and connected peripherals
- Emulates keyboard, mouse and display for each PC
- Provides USB 2.0 Hub that switches to the selected PC
- Computer OS independent - No driver or software



KVM-UHD-4

8-Port HDMI KVM Switch Console with USB 2.0 and 4K Video Support

- Enterprise grade performance
- Compact 1U drawer construction
- Built-in LCD supports high resolutions such as 1920x1080, 1920x1200, 2560x1440, 2560x1600 and 3840x2160
- 8 Individual buttons on the front panel for selecting PC inputs Emulates keyboard, mouse, and video monitor for each PC
- Fast-switch technology for minimal delay when switching PCs
- Provides USB 2.0 Hub that switches to the selected PC Computer OS independent - No driver or software required Durable 104-key keyboard and touch pad.
- Self-locking and auto release rails for ultra convenience Hot-Key Switching



KVM-UH-8-UHD

Video Distribution Amplifier and Extenders on Single UTP Cable

Dual 2560 / 4K HDMI Distribution Amplifier Extender over 1 CAT6 to 100m

- Video supports 1080p, 2560x1600, and 4K UHD.
- Local HDMI outputs on all Transmitters to connect to a local display, or to daisy-chain a second ULTRA-V Transmitter
- 1,4, or 8 outputs to distribute video to multiple locations
- No video quality reduction due to cable length or type
- ULTRA-V Receivers are compatible with ULTRA-4K Transmitter



ULTRA-V Family

HDMI® 2.0 HDBaseT™ Extenders

- HDBaseTTM extender
- Extend UHD 4K@60Hz 4:4:4 up to 70m & 1080p up to 100m
HDCP 2.2, HDR10, 3D support
- RS-232 pass-through & control
- Bi-directional IR (Wide Band)
- HDMI loop output on the transmitter
- Dual HDMI output on the receiver
- Audio extraction on the transmitter and receiver



ECHO Family

HDMI Extender With Ultra-HD, IR, RS232 and Ethernet (Transmitter + Receiver)

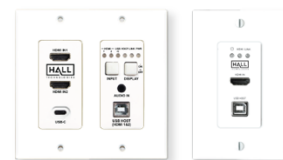
- Fully compliant with HDBaseT standard
- Supports virtually all HDMI and DVI resolutions including 4K UHD
Extends, video, audio, RS-232, IR, and ethernet
- Supports extension to 100 m (330 ft)
- Fully isolates grounds between TX and RX sides
- Compact, rugged, reliable, and economical



HBX-S & HBX-R (Kit)

HDMI and USB over CATx Extender with HDBaseT (Single or Dual Gang Wall Plate Transmitter + Receiver)

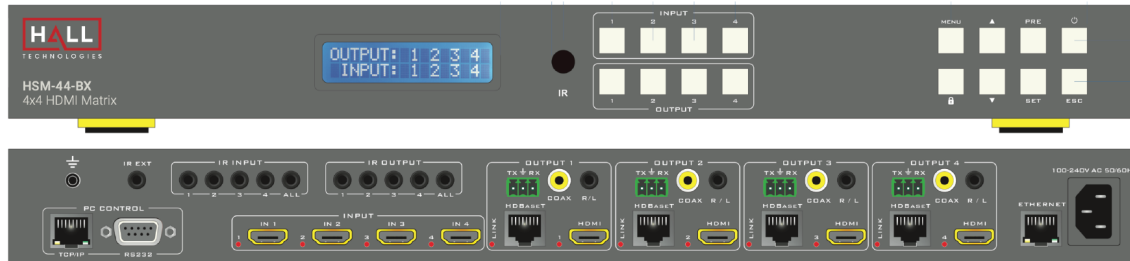
- Audio extraction at the receiver to engage with a complete room audio system
- The transmitter also features USB Type A and C pass-through and RS232 pass-through over HDBT
- High-speed USB 2.0 over HDBT with the maximum bandwidth is 127Mbps
- Provide 4x USB 2.0 device ports on the receiver, of which 2 high-current ports (1.4A) for connecting high-power devices such as camera.
- Supports analog audio pass-through from transmitter to receiver.
- Supports analog audio de-embedding for HDMI output.
- High-speed USB 2.0 pass-through over HDBT.



Discovery Series

Video Switches and Matrix Switchers

4K 4X4 HDMI Matrix Switch with Simultaneous HDMI and HDBaseTTM (RJ45) Outputs



HSM-44-BX

- HDCP 2.2 and 4K UHD
- Simultaneous HDMI and HDBaseT on each output
- Extends HDMI, IR, RS-232, ethernet, and power on HDBaseT Intuitive front panel control with two-line LCD
- Analog and digital extracted audio outputs
- Compatible with HBX-R receiver

4K 8X8 HDMI Matrix Switch with IR, RS-232, and IP Control

- Supports 4K UHD resolution
- HDCP 2.2 and HDCP 1.4 compliant
- Fast-Switch™ technology



HSM-88-4K

4-Input HDMI Seamless Switch with Real-time Multiview Modes

- Seamless switching
- Pre-configured multi-view layouts
- Control via front panel, IR, PC-GUI and RS-232 Input and output resolutions up to 1080p Full HD HDCP compliant
- Includes IR remote control



SSW-HD-4

Video and KVM Extension and Switching over dedicated LAN

4K Video + USB Extension - Point-to-Point and over LAN



VERSA-4K-R



VERSA-4K-S

- Distribute up to 64 PCs (sources) to unlimited users (displays) on 1Gig dedicated LAN Point to Point KVM Extension (no network connection needed)
- Input resolutions up to 4K 60 HZ 4:4:4
- Extend and switch multiple HDMI video and USB data
- USB Device Class Filtering and 4 USB ports on Receiver. Bidirectional IR, RS232, and auxiliary stereo
- Low latency video and audio
- Dynamic virtual matrix utilizing telnet and webGUI control Video wall function to 16x16 Screens

Distribute up to 64 1080p Video Sources to Unlimited Displays



FHD264-R



FHD264-S

- Works on 1 Gig network infrastructure
- Front panel LCD for easy configuration
- Customizable OSD
- De-embedded audio
- HDMI loop out Serial-over-IP & IR

Active Optical Cables

Javelin2 – 4K HDMI Plenum Active Optical Cable with Detachable Ends

- Supports DVI Single Link standards
- Supports 1920x1200 at 60Hz
- Complies with EDID and HDCP
- Available in 10m, 30m and 100m lengths
- DVI Adaptors Available (CHD-JAV2-DVI-D / CHD-JAV2-DVI-S)



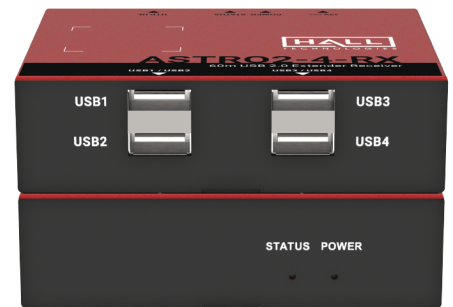
CHD-JAV2-DE*



USB Extension Solutions

4-Port USB 2.0 Extender, 50m

- Supports high-speed USB2.0 (up to 480Mbps) over Cat5e/Cat6 cables up to 50m/165ft.
- 4x USB peripherals connected to the receiver and supports an additional receiver to be connected to increase USB peripherals up to 7 (when fully loaded the max transmission distance will decrease to 40m/130ft).
- TX powered by the USB port, RX powered by lockable DC supply with 500mA to each USB device (receiver hub does not need power adapter when only keyboard and mouse is used)
- True plug-and-play with no driver installation required.
- Supports all major operating systems: Windows, MacOS and Linux
- Compatible with USB1.1 and USB3.0 peripherals.
- Hub receiver supports additional USB hub connection and up to 7 x USB peripherals connected. (When fully loaded, the max transmission distance may be shortened to 40m.)



HT-ASTRO2-4

USB 2.0 Extender on Cat6 Cable to 50m

- Compatible virtually with all USB devices
- Gets power from host
- 2-Port hub in the receiver



U22-160-DP



USB Extension Solutions

USB 3.0 Active Extension Cable (10m) with 4-Port Hub

- 4 downstream USB 3.0 ports
- Backward compatible with USB 2.0 /1.1 devices
- Data transfer rates to up 5Gbps



USB3-33H4

USB C-C Full Function Active Plenum Cable

- Support USB 3.1 Gen 2
- Support USB 2.0 high speed and full speed
- Support 2-lane DP 1.2
- Plug and play without driver dependent
- High reliability and transfer speeds
- Thinner, lighter and softer than conventional copper cable
- Highly resistant to EMI and RFI
- Compact and space efficient
- Available in 5m and 10m lengths



USB-C AOC

Latest Additions

4K HDMI 2.0 Fiber Optic Extender

- 4K x 2K @ 60 Hz 4:4:4 / 18.2 Gbps / HDCP 2.2
- Extends up to 33,000 ft (10 Km) over single mode or 1000 ft (300 M) multi-mode Bi-directional RS-232 and EDID management
- Can pass original HDMI audio or embed/substitute audio from external inputs "HDMI Audio Bridging"
- HDMI loop output on transmitter



FXT-460

Adapters and Accessories

4K DisplayPort-to-HDMI & HDMI-to-DisplayPort Converters



GC-DP-HD



GC-HD-DP

VGA to HDMI Adapter with Audio

- Connect a VGA audio/video source to a HDMI™ monitor
- Male Type A USB connection for power and audio
- Supports input resolutions from 800×600 to 1080p



GC-VGA-HDU

SnugFit™ High Speed Latching HDMI Cables

- SnugFit™ HDMI cables are designed for critical applications where a tight and reliable connection is required. Spring loaded protrusions on the top and the sides of the HDMI connector increase the force required to unplug the cable once plugged in. The cable snaps into compatible mating connectors.



Protrusions on the top and sides of the connector increase extraction force



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