Avocent® HMX 5000/6000/8000

IP-Based High Performance KVM

Features

- Single CATx cable or fiber.

- RS232 can be passed between the units to a maximum baud rate of 115,200 and is a point to point connection technology and cannot be multicast.

- Multicast.1:1 pixel mapping with instant video transmission.

- Unlimited Extension Distances through the addition of a 1GbE network device.

- USB 2.0 with Class Control Enables connection of USB devices from mice and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices.

- The units are able to detect whether the network is in operation and can automatically change to its second network port if it detects a failure.

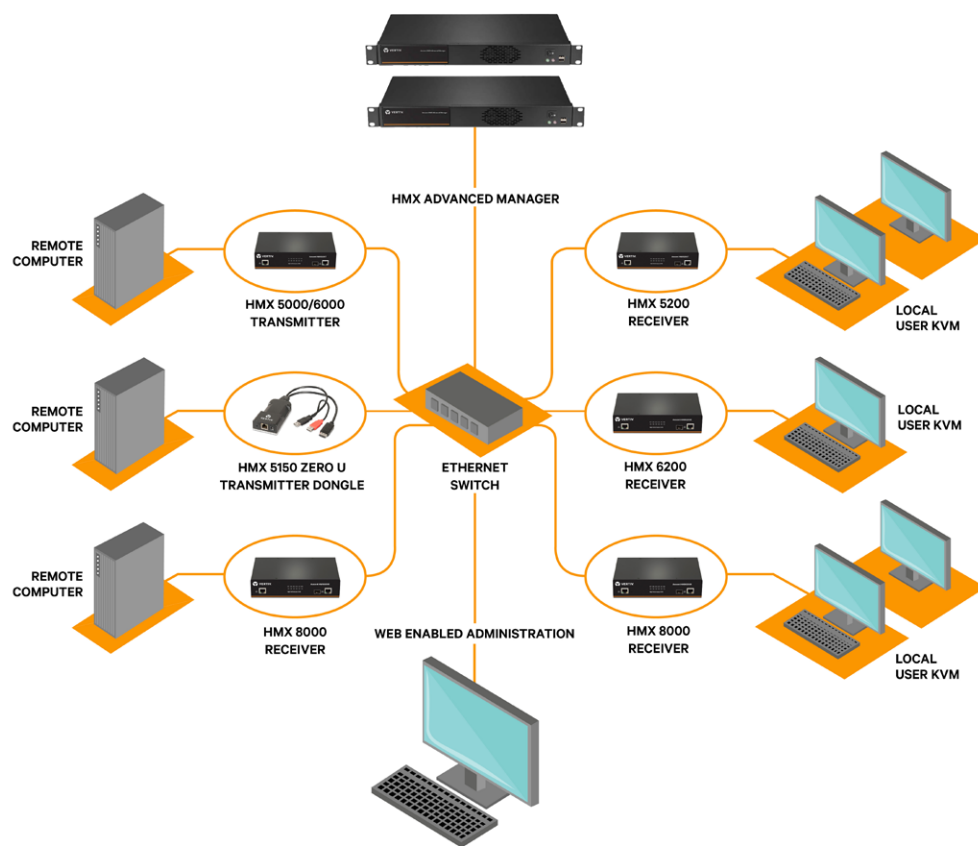- Deployment friendly featuring MAC address devices.

The Avocent HMX 5000/6000/8000 IP-Based KVM provides the highest quality video with fast switching capabilities. With resolution up to 4K 60Hz, the Avocent HMX high performance KVM systems are the leader in the industry.

The Avocent HMX series is the preferred solution for broadcasting, sports venues, post production and many other industries where high resolution and zero latency are required. Furthermore, because they are IP-based, they provide flexibility in locating critical computing hardware in a secure and temperature-controlled environment away from the user work station, while maintaining a flawless desktop experience.

The Avocent HMX5000 provides video resolution up to **1920 x 1200** @60Hz and offers a zero-U transmitter option for VGA, DVI-D or DP.

The Avocent HMX6000 provides video resolution up to **2560 x 1600** @60Hz.

The Avocent HMX8000 offers **4K video** over a single 10Gb fiber connection, along with audio and USB.

Technical Specification

	HMX 8000	HMX 5000/6000
Transmitter (TX)	2 x DisplayPort™, 2 x USB type B 2 x 3.5mm audio jack 1 x DB9 port Ethernet: 2 RJ45 2x SFP+ cages (MM or SM Fiber support)	1 x DVI-D (5100's) 1 X VGA, DVI-D, DP (5150) 2 x DVID (5200's and 6200's) 1 x USB type B 2 x 3.5mm audio jack 1 X DB9 port Ethernet: 2 x RJ45 (VNC access on the 6210T) 1 x SFP cage (MM/SM Fiber or Copper)
Receiver (RX)	2x DisplayPort™, 5x USB type A, 2x 3.5mm audio jack sockets, 1x 3.5mm SPDIF socket Ethernet: 1 RJ45 2x SFP+ cages (MM or SM Fiber support)	1 x DVI-D (5100's) 2 x DVID (5200's and 6200's) 4 x USB type A 2x 3.5mm audio jack sockets, 1x 3.5mm SPDIF socket Ethernet: 2 x RJ45 1 x SFP cage (MM/SM Fiber or Copper)
USB	4 ports of USB2.0 with USB True Emulation to support keyboard, mouse and touch. USB device seen as: 7 or 13 port hub	Supports USB 2.0 devices (low, full and high speed). Isochronous devices are not supported (e.g. USB audio or video devices) natively. The USB6000 device can be added for Isochronous device.
Max Video Resolution	Supports 4K UHD or DCI and refresh rates to 60Hz (Dual-head 4K, video, audio and USB over a single 10Gb fiber connection)	5000 series: 1920x1200 @60 Hz. 6000 series: up to 2560x1600 @ 60 Hz.
Audio	Analog Line in/out 2 channel 16bit 48KHz 1V RMS in / 1V RMS out	Analog Line in/out 2 channel 16bit 48KHz 1V RMS in / 1V RMS out
Ethernet	10GbE (No 10/100/1000 support)	1 GB Ethernet for Matrix switching access 10/100 Ethernet for Setup/Administration
Approvals/Compliance	CE FCC, UL, TAA	CE, FCC, UL, TAA

Avocent HMX 5200T

Avocent HMX 6200R

Avocent HMX 5150 Dongle