

Avocent® HMX 5000/6000 Series

Data Sheet



Features

- **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.
- **Redundant Network Operation**
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.
- **Plug and Play**
These devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.
- **Speed**
The HMX is ideal for control room applications that need to quickly access multiple devices from a single access point.
- **Video Production**
Ideal for editing high-quality broadcast and professional video productions by providing no-compromise video quality.

The Avocent® HMX 5000/6000 series is an IP-based high-performance Keyboard, Video and Mouse (KVM) extender that can be part of a fully-matrixed KVM solution when an HMX Advanced Manager is added.

The Avocent HMX series gives flexibility in locating critical computing hardware in a secure and temperature-controlled environment away from the user work station, while maintaining a pixel perfect desktop experience. The Avocent HMX 5000/6000 is the preferred solution for broadcasting, sports venues, post production and many other industries where high resolution and zero latency are required.

Unlimited extension distances

Extension distance is not limited to a single 100 meter cable length - If you need to extend further, simply add a 1GbE network device to achieve even greater distances. The units are also fitted with SFP cages to accept fiber optic transceivers which enable much greater extension distances.

Single CATx cable or fiber that prevents interference

This significant asset is what gives you the freedom to use the full variety of cable links that you typically find within an average structured cabling system. The result is that you can achieve reliable links, regardless of whether the cables are CAT5e, CAT6 or CAT7.

Real time control with perfect digital video

Using a spatially-lossless encoding system, with 1:1 pixel mapping. The digital video you receive is the same as the digital video leaving the remote computer.

Security

For applications where security is of high importance, the system has the ability to disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.



Avocent HMX 5200T



Avocent HMX 6200R

Technical Specifications

Hardware Compatibility	All computers with DVI-D, USB, Audio, RS232 - requirement dependent.
DVI-D - Digital Visual Interface (digital only)	The system supports either two Single Link DVI resolutions to a maximum of 1920 x 1200 @ 60Hz or a single Dual Link to a maximum of 2560 x 1600 @ 60Hz VGA with adapter.
USB 2.0 with Class Control	Supports USB 2.0 devices (low, full and high speed). The system has a security feature allows the blocking of non HID devices. Isochronous devices are not supported (e.g. USB audio or video devices).
Digital Stereo Audio	The system transfers analog stereo audio (Line In/Line Out) via digital signaling between any transmitter/receiver pair. Additionally, the audio output of any transmitter can be multicast to many receivers.
RS232	RS232 can be passed between the units to a maximum baud rate of 115,200. RS232 is a point to point connection technology and cannot be multicast.
System Connections	1 x RJ45 for VNC access 1 x RJ45 and 1 x SFP.
Physical Design	1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 150mm/6.0" (d), 1.1kg/2.7lbs.
Power	2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.8A, input to power adapter. 5VDC 20W output from power adapter.
Operating Temperature	0 to 40°C / 32 to 104°F.
Approvals	CE, FCC, UL.

