The Avocent® HMX 6000 Series

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.

- **High Video Performance over VNC**

  The VNC server can be accessed by a standard web browser but for superior graphical performance, a Real VNC viewer should be used.
  - View 2560 x 1600 or two 1920 x 1200 sessions
  - Real VNC server with RFB 3.3 support
  - Up to 256bit AES and RSA 2048 encryption
  - VM support and RS232 for power control
  - Supports 16 users simultaneously
  - Out of band BIOS level access

- **Ideal for Control Rooms**
  - Plug and play
  - 100m extension distance on single Catx; unlimited using standard IP network
  - 500m to 10km over fiber
  - Single link or single head configuration
  - Resolutions up to 2560x1600 @60hz
  - USB mass storage supported plus keyboard, mouse tablet and touch screen
  - Redundant network operation

The Avocent® HMX 6000 Series is an IP-based high performance KVM (Keyboard, Video and Mouse) extender that forms part of the matrix solution. This enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user work station, while maintaining a pixel perfect desktop experience.

Truly 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 switch to achieve an additional 100 meters. The units are also fitted with SFP cages to accept fiber optic transceivers which enable much greater extension distances.

Single CATx cable or fiber for greater flexibility
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.

EMERSON
Network Power

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

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 delivers analog stereo audio (line in, line out)
digitally across the network.

RS232
RS232 can be passed between the units to a maximum
baud rate 115K2. RS232 is reserved for power control.

System Connections
1 x 8p8c for VNC access 1 x 8p8c and 1 x SFP

Physical Design
1U compact case, robust metal construction.
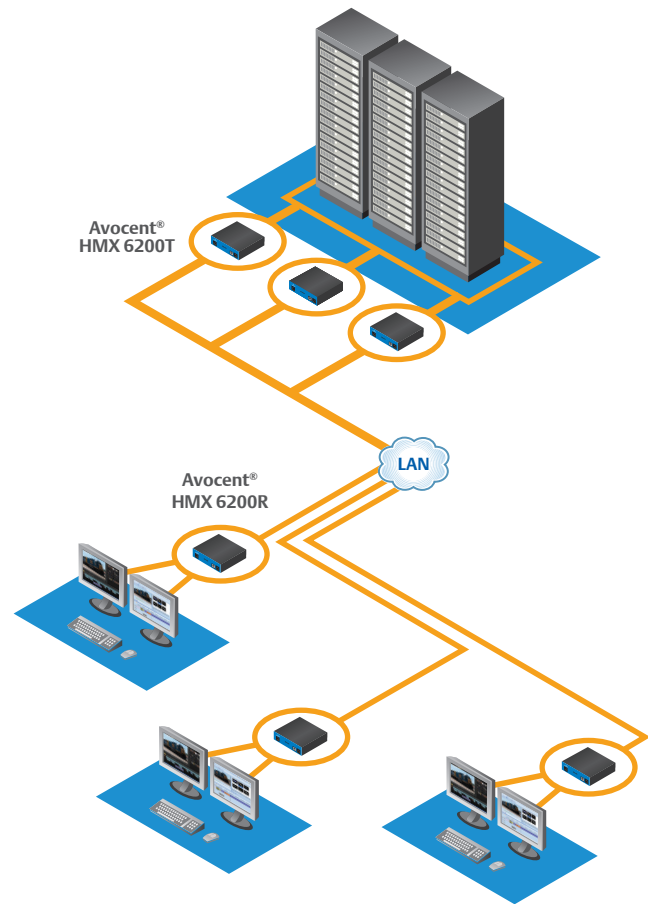198mm/7.92" (w), 44mm/1.76" (h), 150mm/6.0" (d),
1.1kg/2.7lbs

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 40ºC / 32 to 104ºF

Approvals
CE, FCC, UL

*Emerson is a Gold Sponsor and
Sustaining Member of the Society
of Broadcast Engineers.*

Avocent®
HMX 6200T

LAN

Avocent®
HMX 6200R

Ordering Details - 6000

PART NUMBER	DESCRIPTION
HMX6200T-001	HMX TX dual DVI-D, QSXGA, USB, audio, SFP
HMX6200R-001	HMX RX dual DVI-D, QSXGA, USB, audio, SFP
HMX6210T-001	HMX TX dualDVI-D, QSXGA, USB, audio, SFP, VNC
PSC0005	Power Supply HMX 5000/6000 TX/RX
LC-MM-SFP	SFP Multi Mode Fibre Module LC
LC-SM-SFP	SFP Multi Single Fibre Module LC
RJ45-CATX-SFP	1000BASE-T Copper SFP Transceiver
RMK-81	19in Rackmount kit for 2 HMX 5000/6000
RMK-82	19in Rackmount kit for 1 HMX 5000/6000
RMK-83	19in VESA mount kit for 1 HMX 5000/6000