

Vertiv™ Avocent® HMX5150T/6150T



Avocent HMX5000/6000 High Performance KVM, Zero U, IP-based for extension/matrix of video, audio and USB over a single cable

Overview

Avocent® High Performance HMX5150/6150T are zero-U transmitters that are part of the Avocent HMX5000/6000/8000 series system product line. These high performance, IP-based KVM (Keyboard, Video, Mouse) dongles can be used in either extender or matrix mode and enable the use of standard IT infrastructure to extend computers away from the user environment.

The 5150T and 6150T are backwards compatible with the existing HMX Advanced Manager and current Tx and Rx offerings. The 5150T offers resolution up to 1920x1200 @ 60Hz and is available with either VGA or DVI-D connectors. The 6150T supports up to 2K (2560x1600) @ 60Hz resolution via HDMI or DP and offers USB 2.0 True Emulation & High Speed.

- Zero-U form
- IP-based: use your existing network
- USB and low power consumption
- Supports video resolutions up to 2560 x 1600 @60Hz
- Easy retrofit into existing infrastructure
- Plug and play
- Available in DP, HDMI, DVI-D and VGA

Features

Zero-U Size

The HMX5150T/6150T takes zero-U of rack space in the server room allowing for ultimate flexibility and ease of installation.

IP-Based

Use your existing networking infrastructure to extend or matrix your computing resources to your users.

USB and Low Power Consumption

Both the 5150T and 6150T family can be powered from USB which does not require an external PSU. Additionally, through the USB, these devices require less than 3 Watts; less than a quarter of the energy when compared with other solutions.

Multiple Video Options

The HMX5150T supports resolutions up to 1920x1200@60Hz via VGA or DVI-D and the HMX6150T supports resolutions up to 2K (2560x1600) @ 60Hz via DP or HDMI.

USB 2.0

USB 2.0 Enables you to connect any USB HID (human interface device) from mouse and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers. The HMX 6150T also supports **high speed** devices such as USB hard drives.

Seamless Integration With The HMX 5000/6000/8000 Series

The HMX5150T/6150T can integrate seamlessly into your existing HMX5000/6000/8000 Series setup, replacing or working in conjunction with your existing HMX endpoints.

EDID Management

The HMX5150T/6150T has intelligent EDID management to either allow the true characteristics of the monitor to be passed back to the computer, or controlled resolutions to be imposed.

Digital KVM Matrix

With the addition of an HMX Advanced Manager, you can turn multiple point-to-point extenders into a fully-matrixed KVM solution that enables any workstation to connect to any authorized computer in the system.

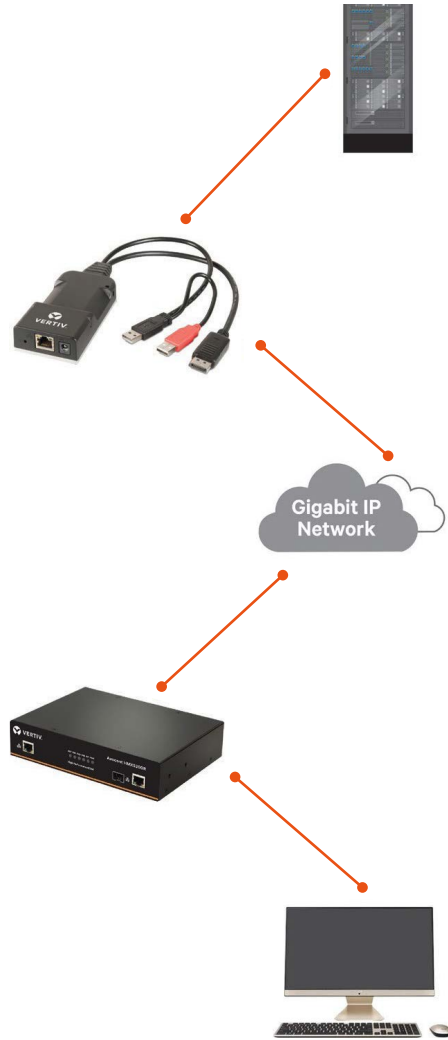
Perfect Digital Video

The HMX5150T/6150T uses an encoding system that is spatially-loss, with 1:1 pixel mapping, so the digital video you receive is the same as the digital video leaving the remote computer, ensuring the very best picture and color accuracy.



Ordering Information

5150T	6150T
<ul style="list-style-type: none"> HMX5150T-DVI-D: HMX transmitter with DVI-D video HMX5150T-VGA: HMX transmitter with VGA video 	<ul style="list-style-type: none"> HMX6150T-DP: HMX transmitter with DP video HMX6150T-HDMI: HMX transmitter with HDMI video



Technical Specifications

Feature	5150T	6150T
Video Resolution	1920 x 1200 @60Hz	2560 x 1600 @60Hz
Digital Audio	<ul style="list-style-type: none"> USB Digital Stereo 	<ul style="list-style-type: none"> USB Digital Stereo HDMI or DP Digital Stereo
Connectors	<ul style="list-style-type: none"> Computer: DVI-D or VGA USB type A x 2 Ethernet: 1 x 8p8c (RJ45) Power: 2.5mm socket 	<ul style="list-style-type: none"> Computer: DisplayPort or HDMI USB type A x 2 Ethernet: 1 x 8p8c (RJ45) Power: 2.5mm socket
Power	<ul style="list-style-type: none"> USB power: 2 x USB 2.0 (2x 500mA@5V) 5W External power: 5VDC, 1A Typical power consumption: 3W BTU: 10.2 BTU/hr 	<ul style="list-style-type: none"> USB power: 2 x USB 2.0 (2x 500mA@5V) 5W External power: 5VDC, 1A Typical power consumption: 3W BTU: 10.2 BTU/hr
Specification	<ul style="list-style-type: none"> USB: USB2.0 full and low speed (No High Speed support) USB features: Keyboard, mouse and touch USB device seen as: 7 or 13 port hub Max video resolution: Up to 1920x1200@60Hz Audio: Line in/out USB audio 2 channel 16bit 48KHz Ethernet: 1GbE (No 10/100 support) 	<ul style="list-style-type: none"> USB: USB 2.0 True Emulation & High Speed USB features: any USB 2.0 device via True Emulation USB device seen as: 7 or 13 port hub Max video resolution: Up to 2560x1600@60Hz Audio: USB & HDMI audio 2 channel 16bit 48KHz Ethernet: 1GbE (No 10/100 support)
Operating/Storage Conditions	<ul style="list-style-type: none"> Operating temperature: 0 to 50°C Storage temperature: -10 to 60°C Storage and operating relative humidity: 10-90% non condensing Altitude: <3000m MTBF: >500,000 hours 	<ul style="list-style-type: none"> Operating temperature: 0 to 50°C Storage temperature: -10 to 60°C Storage and operating relative humidity: 10-90% non condensing Altitude: <3000m MTBF: >500,000 hours
Physical	<ul style="list-style-type: none"> Dimensions: (L) 110mm /4.3" x (W)55mm/2.17" x (D)25mm/1" with 30cm cable length Weight: 0.2kg /0.4 lb Materials: ABS and aluminum construction 	<ul style="list-style-type: none"> Dimensions: (L) 110mm /4.3" x (W)55mm/2.17" x (D)25mm/1" with 30cm cable length Weight: 0.2kg /0.4 lb Materials: ABS and aluminum construction
Packaging Box	<ul style="list-style-type: none"> Dimensions: (L) 292mm /11.5 inch (W) 245mm/9.6inch (D) 55mm/2.1inch Weight: 0.5kg / 1.1lb 	<ul style="list-style-type: none"> Dimensions: (L) 292mm /11.5 inch (W) 245mm/9.6inch (D) 55mm/2.1inch Weight: 0.5kg / 1.1lb
Approvals/Compliance	CE and FCC: See the compliance web page for the full list	CE and FCC: See the compliance web page for the full list
Cable Type Recommendations	Cat5e and above	Cat5e and above
Cable Length Rules	Ethernet specifications rules apply 100 meters maximum run	Ethernet specifications rules apply 100 meters maximum run