Vertiv™ Avocent® HMX5150T

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

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Overview

Avocent® HMX5150T transmitters are new additions to the Avocent HMX5000/6000 series system product line. A zero-U, high performance, IP-based KVM (Keyboard, Video, Mouse) extender and/or matrix that enables the use of standard IT infrastructure to extend computers away from the user environment.

- Zero-U form

- IP-based: use your existing network

- USB powered

- Low power consumption

- Supports video resolutions up to 1920x1200

- Easy retrofit into existing infrastructure

- Plug and play

- Available in DP, DVI-D and VGA

Features

Zero-U Size
The HMX5150T 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 Powered
The device can be powered from USB. This means there is no need to provision for an external PSU. Options for powering from an external PSU or redundant PSU are also available.

Low Power Consumption
Requiring less than 3 Watts, the unit can be powered from USB. This means it could use less than a quarter of the energy when compared to other solutions.

Multiple Video Options
The system supports resolutions to a maximum of 1920x1200@60Hz through DVI, DisplayPort or VGA.

USB 2.0
Enables you to connect any asynchronous USB human interface device, including a mouse, keyboard, graphics tablet, jog shuttle wheel, joystick, 3D explorer, etc.

Seamless Integration With The HMX 5000/6000 Series
The HMX5150T can integrate seamlessly into your existing HMX5000/6000 Series setup, replacing or working in conjunction with your existing HMX endpoints.

Perfect Digital Video
The HMX5150T uses an encoding system that is spatially-lossless, 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.

USB Audio
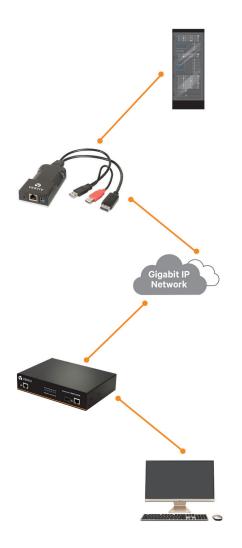The system delivers USB stereo audio (Line In, Line Out) digitally across the network.

EDID Management

The system 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. See the HMX Advanced Manager data sheet for details.

Technical Specifications

Operating/storage conditions:

Operating temperature: 0 to 50°C
Storage temperature: -10 to 60°C
Storage and operating relative humidity: 10-90% non condesing
Altitude: <3000m
MTBF: >500,000 hours

Power

USB power: 2xUSB2.0 (2x 500mA@5V)5W
External power: 5VDC, IA
Typical power consumption: 3W
BTU: 10.2BTU/hr

Physical

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 aluminium construction

Connectors

Computer: DVI-D, DisplayPort or VGA, USB type A x 2
Ethernet: 1 x 8p8c (RJ45)
Power: 2.5mm socket

Specification

USB: USB2.0 full and low speed (No HS 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
DisplayPort Audio: None
Ethernet: 1GbE (No 10/100 support)

Packaging Box

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

Cable types recommendations

Cat5e and above

Cable length rules

Ethernet specifications rules apply 100 meters maximum run

Ordering Information

- HMX5150T-DVI-D: HMX transmitter with DVI-D video

- HMX5150T-DP: HMX transmitter with DisplayPort video

- HMX5150T-VGA: HMX transmitter with VGA video

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