

Vertiv™ Avocent® HMX 5150T/5160T/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 HMX 5150/5160T/6150T are zero-U transmitters that are part of the Avocent® HMX 5000/6000/8000 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 Avocent HMX 5150T/5160T/6150T are backwards compatible with the existing Avocent HMX Advanced Manager and current Tx and Rx offerings. The 5150T/ 5160T 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 Avocent HMX 5150T/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 Avocent HMX 5150T/5160T 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 Avocent HMX 5160T and 6150T also support high speed devices such as USB hard drives.

Seamless Integration With The Avocent HMX 5000/6000/8000 Series

The Avocent HMX 5150T/5160T/6150T can integrate seamlessly into your existing Avocent HMX 5000/6000/8000 Series setup, replacing or working in conjunction with your existing Avocent HMX endpoints.

EDID Management

The Avocent HMX 5150T/5160T/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 Avocent 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 Avocent HMX 5150T/5160T/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.



Technical Specifications

| Feature | 5150T(VGA) / 5160T(DVI-D) | 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 (5160T High speed) 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 & 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) 5mm/2.1inch Weight: 0.5kg / 1.1lb | <ul style="list-style-type: none"> Dimensions: (L) 292mm /11.5 inch (W) 245mm/9.6inch (D) 5mm/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 |
| Ordering Information | <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 |

