

## HMX™

### Computer Access to Desktop over IP solutions



#### Extend your desktop any distance from the computer over standard TCP/IP using HMX Computer Interface Modules

The Avocent Desktop Area Network supports physical separation of computer and user anywhere within the limits of a LAN without compromising the desktop experience. The simple pair of Computer Interface Module and Desktop User Station allows for ease of installation and simple deployment.

Target computers can be connected to the Desktop Area Network using a number of different Computer Interface Modules depending on the type of peripherals that are to be supported. All Computer Interface Modules are hardware based and so require no software or drivers to be loaded on to the target computer and also making the modules independent of the type of computer or operating system (OS). This allows the solution to function with PC, Mac® or Sun® computers.

The Computer Interface Module provides an Ethernet connection to allow for connection to any regular TCP/IP network and to communication across the network to a Desktop User Station. The Computer Interface Module streams DVI video, CD audio, USB media and keyboard and mouse between the user and computer using SSL and is fully encrypted using 128bit AES. This ensures the highest quality user experience, with all the advantages of placing the computer in a remote secure location and zero impact on the hardware, OS or software of the computer.



*The hardware based Computer Interface Module allows a computer to be accessed from anywhere on the network, without an impact on the target computer hardware or software and without compromising the user experience.*

#### COMPUTER ACCESS NODE FEATURES

- **Full Hardware Solution.** All connections to the target computer are hardware, requiring no software to be installed or drivers loaded. This provides access to all computer peripheral ports regardless of the state of the OS or BIOS
- **DVI-I Video.** Connects to single or dual DVI-I or VGA port of the computer providing both digital and analog video support
- **CD Audio.** Connects to the analog audio ports of the computer
- **Dual USB Ports.** Connects to two USB ports on the computer to provide keyboard, mouse and USB 2.0 data from the remote user
- **Self Powered.** Draws all power from the USB ports requiring no external power supply
- **Ethernet Port.** Allows the computer and user to be situated anywhere on the 100 or 1000Mbps network with full routing of data across routers, switches and subnets
- **Encryption of Network Data.** 128bit AES encryption of all data passing between the computer and the network
- **Upgradable.** Based on an embedded Linux OS, the device is fully upgradable to allow for future feature enhancements

**FEATURES / PERFORMANCE**

- **Connections** - 2 x USB, 1 x DVI-I (supports digital and/or analog video), 1 x 3.5mm stereo speaker jack, 1 x 3.5mm mono microphone jack, 1 x RJ45 network
- **Network Speed** - 100 Mbps or 1 Gbps
- **Encryption** - SSL/AES 128 bit
- **Performance** - USB keyboard, mouse, mass storage devices, all other USB peripherals, stereo speakers 24bit 44kHz, mono microphone, video up to 1280x1024@60fps, 100Mbps or 1Gbps network

**MECHANICAL**

- **Format** - External self powered dongle
- **Height** - 0.87" (22 mm)
- **Depth** - 6.02" (153 mm)
- **Width** - 2.28" (68 mm)
- **Unit Weight** - 1.1 lbs (0.5 Kg)

**ENVIRONMENTAL / POWER**

- **Operating Temperature** - 32° (0°C) to 104°F (40°C)
- **Storage Temperature** - -4° (-20°C) to 122°F (50°C)
- **Power In** - 5VDC
- **Power Consumption** - 6W

**STANDARDS**

- **Approvals** - cUL, UL, CE, FCC15 Class A, VCCI



## External Module Dual Video Specifications

**FEATURES / PERFORMANCE**

- **Connections** - 1 x USB, 2 x DVI-D (supports digital video only), 1 x 3.5mm stereo speaker jack, 1 x RJ45 network
- **Network Speed** - 100 Mbps or 1 Gbps
- **Encryption** - SSL/AES 128 bit
- **Performance** - USB keyboard, mouse, mass storage devices, all other USB peripherals, stereo speakers 24bit 44kHz, mono microphone, analog video up to 1600 x 1200@60fps, digital video up to 1920x1200@60fps, 100Mbps or 1Gbps network

**MECHANICAL**

- **Format** - External Metal cased Module
- **Height** - 1.10 in (28 mm)
- **Depth** - 7.87 in. (200 mm)
- **Width** - 5" (127 mm)
- **Unit Weight** - 1.65 lbs (.75 Kg)

**ENVIRONMENTAL / POWER**

- **Operating Temperature** - 32° (0°C) to 104°F (40°C)
- **Storage Temperature** - -4° (-20°C) to 122°F (50°C)
- **Power In** - 5VDC
- **Power Consumption** - 6W

**STANDARDS**

- **Approvals** - cUL, UL, CE, FCC15 Class A