

The Avocent® HMX 5000/6000 Series System Overview

Advanced Manager Solution

Features

- **On screen display (OSD) at each user station**

Users log in and choose channel connections from an intuitive OSD similar to that of a Digital TV. Users can also use Presets to change channels for multiple screens across multiple receivers.

- **Remote OSD**

The remote OSD allows the user to “push” video and control to another station or to a video wall or projector.

- **Favorites and hotkey switching**

Each user can select their favorite channels within the OSD and allocate a hotkey for fast switching between channels.

- **Choice of connection modes**

Administrators can choose to give users the ability to connect in three modes: View only, Shared or Exclusive. Each permitted mode is then made available within the OSD.

- **Fast video and USB switching**

The HMX Manager provides extremely fast switching time to ensure a quality user experience.

- **Easy centralized management**

Accessed via a web browser, the dashboard gives a real time over-view of system connections and users.

- **System backups**

Backups of the database can be saved internally, externally or emailed automatically. Automatic updates can be scheduled on an hourly, daily or weekly basis.

The Avocent® HMX Advanced Manager is a control suite which transforms extenders into a digital matrix solution. Using standard IP infrastructure it is possible to route any user station to any computer attached to the network without any compromises to video quality or control. It allows cooperative sharing of computers and the multicasting of video to any destination.

Secure access and communications

Using TLS (transport layer security) and HTTPS, communications between HMX units and the HMX Advanced Manager and between the HMX Advanced Manager and the outside world are all secure.

Redundant operation

For 24/7 reliability a second HMX Advanced Manager can be added to ensure constant uptime and with dual NIC interfaces on every HMX unit, systems can be easily designed for maximum resilience.

User access rights management and audit trails

Administrators can manage access rights to each device on a user by user basis either manually through the web browser or automatically using Active Directory. Reports showing the history of devices, user logins and device connections can be viewed and exported to a CSV file or via SYSLOG.

Control Channel and Presets connections

The HMX Advanced Manager can be used to make connections between an individual pair of transmitter and receiver devices centrally from within the management system. Using Presets, a list of pre-defined connections, multiscreen, video wall or signage setups can be forced with a single click.

SNMP v3 get / walk

External machines can interrogate the HMX Advanced Manager to find out the status of the network and units. SNMP v3 security is implemented, supporting AES/DES transport with MD5/SHA authentication.

External NTP server support – NTPv4.2

Connect up to 3 NTP servers with authenticated connections using MD5 and Key ID as defined in the NTP standards.

Centralized firmware upgrades

As well as managing its own firmware upgrade, The HMX Advanced Manager manages the upgrade of each device on the network and can deploy firmware to hundreds of devices at the same time, meaning a system-wide upgrade takes less time.

Easy matrix setup

Using Zero Configuration networking, the HMX Advanced Manager automatically obtains the MAC addresses of extender devices as they are attached to the network. The administrator allocates IP addresses, names and locations so that devices are easy to identify, configure and control.

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Technical Specifications

Hardware

Industrial spec server with solid state memory.

Physical Design

19 inch 1U rack mountable chassis in a ro-bust metal construction. 432mm/17" (w), 44mm/1.73" (h), 230mm/9" (d), 2.75kg/6lbs

Power

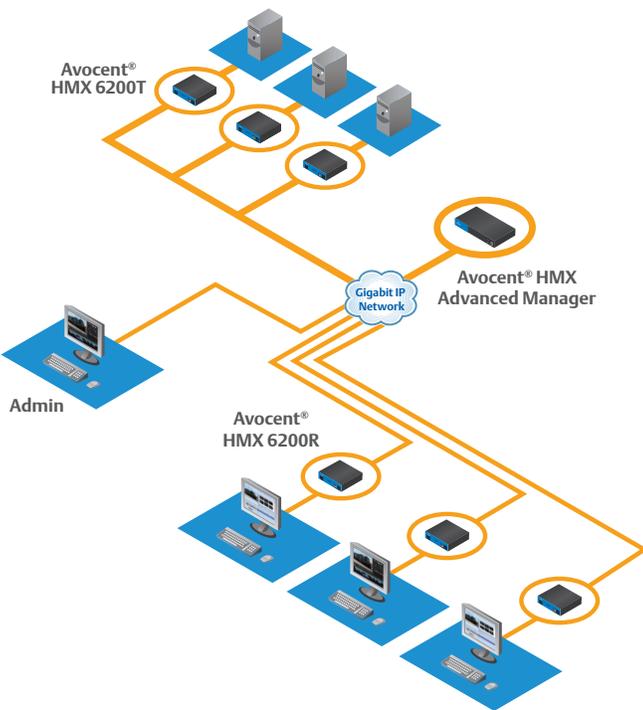
External power IEC input unit, 100- 240VAC 50/60Hz, 1.5A, input to power adapter. 12VDC, 60W output.

Operating Temperature

0 to 40°C / 32 to 104°F

Approvals

CE, FCC, UL



Ordering Details

PART NUMBER	DESCRIPTION
HMXAMGR24-001	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-101	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-102	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-103	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-104	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-105	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-106	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-107	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-201	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-202	Avocent HMX Advanced Manager - supports 24 end points
HMXAMGR24-G01	Avocent HMX Advanced Manager - supports 24 end points
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
HMX5100T	HMX TX single DVI-D, USB, audio, SFP
HMX5100R	HMX RX single DVI-D, USB, audio, SFP
HMX5200T	HMX TX dual DVI-D, USB, audio, SFP
HMX5200R	HMX RX dual DVI-D, USB, audio, SFP
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

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