Simply Better Connections

VM3250

32 x 32 Modular Matrix Switch Gen.2

The VM3250 Modular Matrix Switch Gen. 2 offers advanced access and real-time control of multiple local and remote A/V input devices and displays from a single chassis. The VM3250 allows users to independently switch and route video and/or audio content directly to various monitors, displays, projectors, and/or speakers from the front panel pushbuttons. A built-in Scaler encodes the video format in order to provide seamless, real-time switching. The front panel LCD shows a quick view of active port connections. The switch also includes an option to select an EDID Mode that yields the best resolution across different monitors.

Boasting a sophisticated and reliable design that delivers the best audio/visual distribution and control, the solution also incorporates an Award-winning GUI that can be accessed from anywhere over a network or the internet. Through the intuitive web interface, video sources can be previewed in real-time via live streaming and video walls can be easily set up. A calendar-based scheduling function allows you to queue and play connection profiles via a calendar view for a set period of time, reducing related operation costs.

The VM3250 is easily expandable and accommodates a lineup of hot-swappable ATEN I/O boards. Equipped with automatic signal conversion, it allows various combinations of digital and analog video interfaces, including Fiber Optic, HDBaseT, DisplayPort, HDMI, DVI, 3G-SDI, and VGA. The flexibility and expandability make it ideal for large-scale A/V applications such as broadcasting stations, traffic and transportation-related control rooms, emergency service centers, and any application that requires customizable, high-speed A/V signal routing.

* Compatible I/O Boards

Features

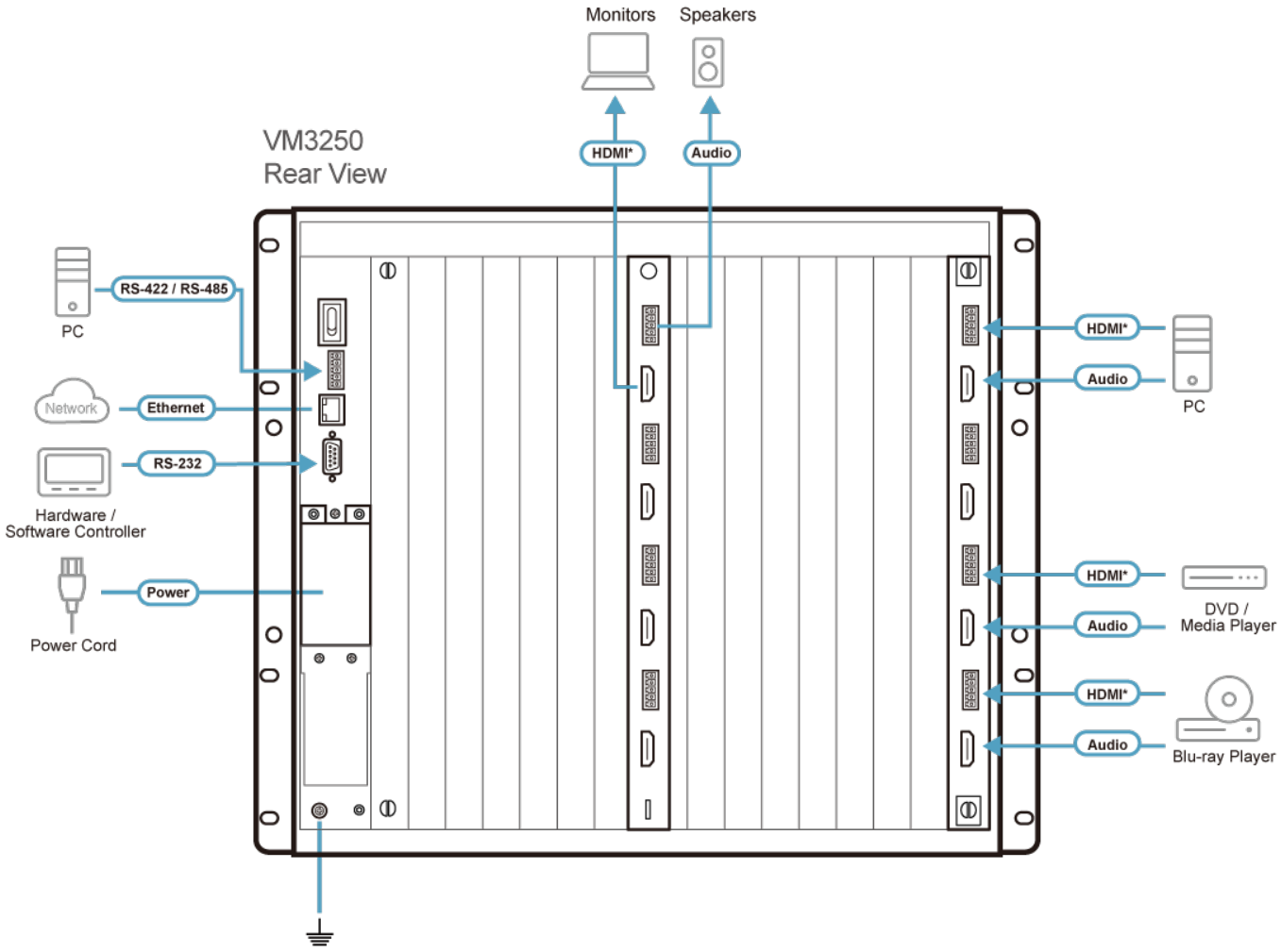
- 32 x 32 I/O connections via 8 x 8 I/O slots for modular matrix boards
- Multiple Control Methods – system management via front-panel pushbuttons, serial control over RS-232/RS-485/RS-422, and web GUI/Telnet over Ethernet connections
- View and control via ATEN Video Matrix Control App in a swift and agile way
- True 4K Resolutions – Supports uncompressed video resolutions up to 4096 x 2160 / 3840 x 2160@60Hz (4:4:4) *
- Scaler – features a video scaling function to convert input resolutions to the optimum display resolutions*
- Seamless Switch™ – features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*
- Video Wall – allows you to create custom video wall layouts via intuitive web GUI*
- Live Streaming – supports single source live streaming via web GUI for convenient evaluation of display output
- Content and Layout Preview – displays thumbnails of source media in web GUI, simplifying profile configuration
- Calendar-based Scheduling – allows profile playing based on the pre-set schedule synchronized with RTC
- EDID Expert™ – selects optimum EDID settings for smooth power-up, high-quality display, and use of the best resolution across different screens
- Audio-enabled – HDMI audio can be extracted and stereo audio can be embedded*
- Enables power supply via HDBaseT with installation of I/O boards and power injectors (VE44PB recommended), eliminating the need for separately installing power infrastructures to save overall cost
- Optional Redundant Power Supply – ensures higher reliability for mission-critical applications
- Support long-distance transmission via optical or HDBaseT I/O boards and extenders
- Hot-swappable I/O boards, fan module, and power supplies for easy maintenance
- ESD protection for HDMI
- Rack-mountable (9U design)

  *Note:
  1. The availability of these features depends on which I/O board is inserted.
  2. When Seamless Switch™ is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch™

Specifications

Board Input	8 x Slot
Board Output	8 x Slot
Video Input	
Interfaces	Depends on which I/O board is inserted
Max. Data Rate	22.5 Gbps
Audio	
Input	Depends on which Input board is inserted
Output	Depends on which Output board is inserted
Control	
RS-232	Connector: 1 x DB-9 Female (Black) Serial Control Pin Configurations: Pin2 = Tx, Pin 3=Rx, Pin 5= Gnd Baud Rate and Protocol: Baud Rate:19200, Data Bits:8, Stop Bits:1, Parity: No, Flow Control: No
RS-485/RS-422	Connector: 1 x Captive Screw Connector, 5 Pole
Ethernet	Connector: 1 x RJ-45 Female
EDID Settings	EDID Mode: Default / Port1 / Remix / Customized (EDID Wizard support)
Connectors	
Power	1 x 3-Prong AC Socket
Power	
Maximum Input Power Rating	100-240 VAC; 50-60Hz; 10A
Power Consumption	AC110V:800W:239BTU/h AC220V:800W:236BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Dimensions (L x W x H)	48.20 x 47.19 x 39.90 cm (18.98 x 18.58 x 15.71 in.)
Weight	18.20 kg (40.09 lb)
Rack Height (U Spaces)	9U
Carton Lot	1 pc
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



* The video interface differs depending on the I/O board that installed.

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