

Aten VM1600 16x16 Modular Digital Matrix Switch

This listing is for VM1600 only. There are no cards included.

The VM1600 Modular Matrix Switch offers advanced access and real-time control of multiple local and remote A/V input devices and displays from a single chassis. The VM1600 allows users to independently switch and route video and/or audio content directly to various monitors, displays, projectors and/or speakers simply by pressing 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, with an option to select an EDID Mode that yields the best resolution across different monitors.

VM1600 is easily expandable and accommodates a lineup of hot-swappable ATEN I/O boards. Equipped with automatic signal conversion, it allows any combination of digital video formats, such as DVI (VM7604 / VM8604) and HDMI (VM7804 / VM8804), thus making 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.

Features

- Connects any of 16 video sources to any of 16 displays in combination with ATEN Modular Matrix Solutions
- Superior video quality – HDTV resolutions of 480p, 720p, 1080i and 1080p (1920 x 1080); VGA, SVGA, XGA, SXGA and WUXGA (1920 x 1200)
- HDCP 1.4 Compatible
- Seamless Switch™ – provides continuous video streams, real-time switching and stable signal transmission*
- EDID Expert – selects optimum EDID settings for smooth power-up and highest quality display
- Built-in EDID wizard – provides an easy way to customized EDID settings
- Easily switch between multiple sources and multiple displays
- Hardware Configuration: • Front panel pushbuttons • RS-232 serial port
- System Operation • Browser-based Graphical User Interface (GUI) • Telnet
- Built-in bi-directional RS-232 serial remote port for high-end system control
- Hot-pluggable: • Modular Fan Design • Power Module • Easy Intergration of I/O boards
- Video wall - provides up to 32 connection profiles that you can customize into layouts using the web GUI
- Optional redundant power supply for continuous operation
- Firmware upgradeable via web
- Rack Mountable
- Built-in scaler on each output port to support the scaling function for different video resolutions

Note: If Seamless Switch is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolution features. To avail of these features, you must disable Seamless Switch.