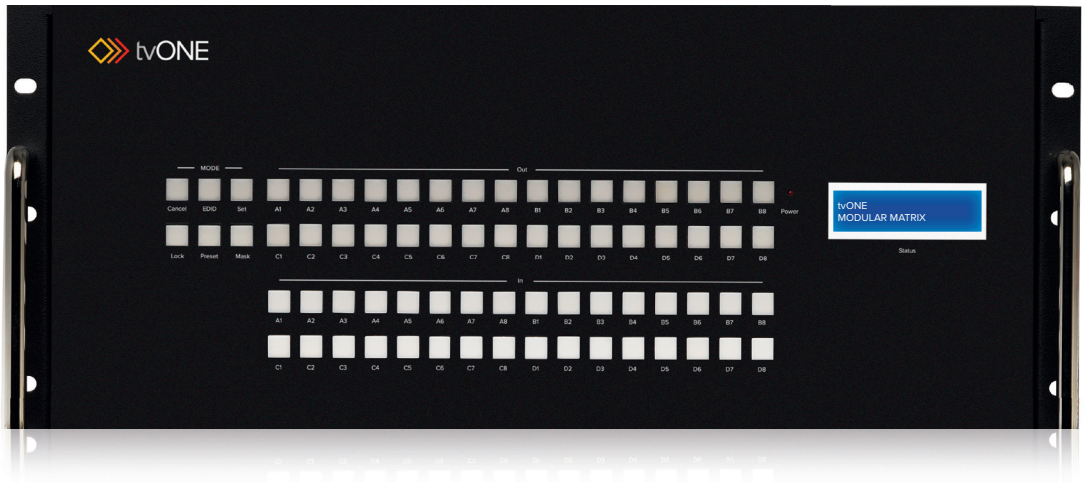
ModularMX

32x32 Modular Matrix System



Route any 32 HDMI sources to any 32 outputs

The tvONE 32x32 Modular Matrix provides an all-in-one professional solution to route up to 32 HDMI/DVI or DisplayPort sources to any 32 HDMI/DVI outputs supporting resolutions up to 1920 x 1200.The modular design of this 32x32 matrix provides the ultimate in flexibility by allowing the combination of different input and output cards and the extension of inputs and outputs over CAT5/6 cable or fiber. The front-panel LCD displays the current routing status and each source is accessible to any display by using the front-panel buttons, the RS-232 interface, or through IP Control (with built-in web server, Telnet, and UDP). Hot-swappable dual redundant power supplies allow these matrixes to be used for applications in demanding 24/7 applications where enhanced reliability, ease of servicing and zero down-time are required.

How It Works

Connect up to 32 HDMI/DVI or DisplayPort sources to the input connectors on the tvONE 32x32 Modular Matrix. HDMI/DVI sources can be connected directly, or using CAT-5/6 or fiber, depending on input card used. Connect up to 32 outputs via DVI, CAT-5/6, or Fiber Optic cables depending on which output module is utilized. Connect an Ethernet cable from the network to the RJ-45 connector to use the built-in web server, Telnet, or UDP capability to control routing, EDID, and other functions. Connect a 9 pin serial cable from a RS-232 control device to control the matrix via RS-232. Connect the included AC power cords to the matrix and plug them into available electrical outlets. All sources will be routed as selected.

tvONE

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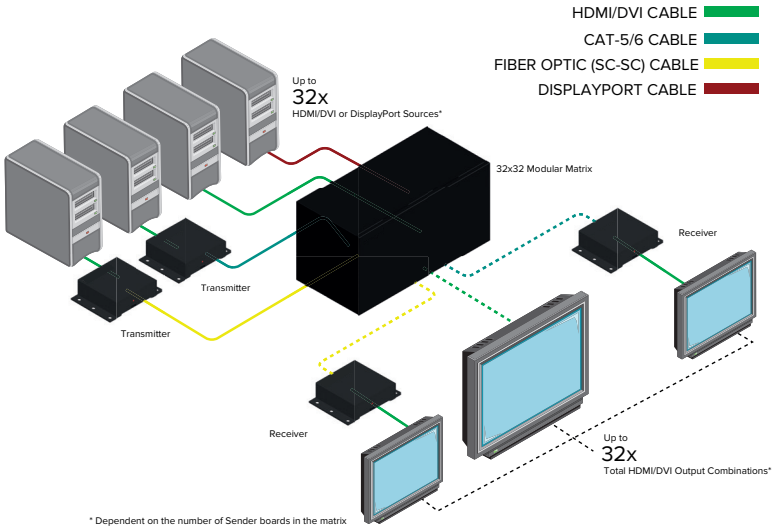
Wiring Diagram



Features*

• Supports up to four modular input cards and four modular output cards, each with eight connectors	• Front-panel buttons for local switching
• Supports resolutions up to 1920 x 1200	• Routing states can be stored and recalled at the touch of a button
• Advanced EDID management for rapid integration of sources and displays	• Dual redundant, hot-swappable power supplies
• RS-232 Serial interface for remote control via a computer or control system	• Removable and replaceable fan and filter modules
• Built-in Web server, Telnet, and UDP control via IP	• Output muting command
• IR control via front panel sensor and rear panel IR port	• Rack-mountable
• Front-panel LCD display	

Specifications*

Maximum Pixel Clock	• 300 MHz
Video Input Connectors (32 x max.), organized into banks of 8, depending upon the type of input card used	• 8 x DVI-I, 29-pin, female (digital only) • 8 x DisplayPort, female (digital only) • 8 x HDBaseT - POH, RJ-45 • 8 x Fiber, SC-type
Video Output Connectors (32 x max.), organized into banks of 8, depending upon the type of input card used	• 8 x DVI-I, 29-pin, female (digital only) • 8 x HDBaseT - POH, RJ-45 • 8 x Fiber, SC-type
RS-232	• 1 x DB-9, female
Ethernet (IP control)	• RJ-45, female
IR ports	• 1 x Sensor, front panel • 1 x 3.5mm mini-phone jack, rear panel
Power Input	• 2 x 100 - 240V AC (dual IEC hot-swappable)
Power Consumption	• 650W (each power supply)
Dimensions (W x H x D)	• 17.5” x 10.5” x 18” (443mm x 263mm x 455mm)
Shipping Weight	• 44 lbs (20 kg)

*All features and specifications are subject to change without notice.