16x16 Modular Matrix System

Route any 16 HDMI sources to any 16 outputs

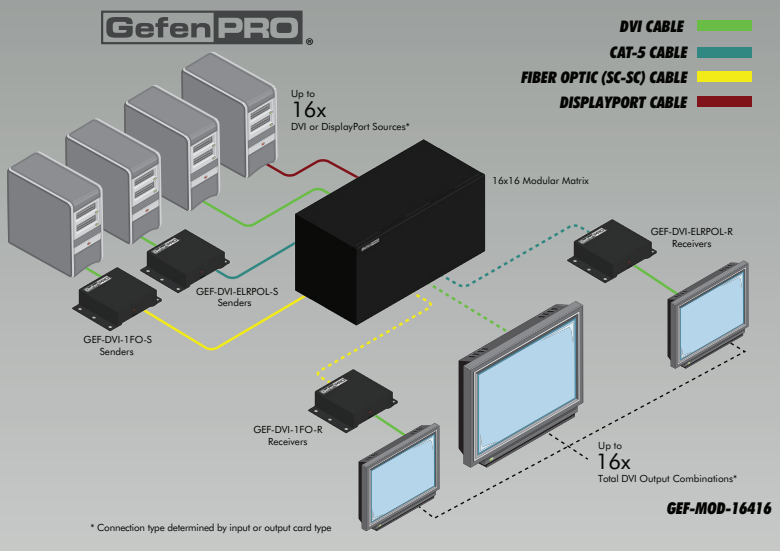
The GefenPRO 16x16 Modular Matrix provides an all-in-one professional solution to route up to 16 DVI or DisplayPort sources to any 16 DVI outputs supporting resolutions up to 1920 x 1200. The modular design of this 16x16 matrix provides the ultimate in flexibility by allowing the combination of different input and output cards and the extension of inputs and outputs over CAT5-ELR or fiber. The front-panel LCD displays the current routing status and each source is accessible to any display by using the front-panel push 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 16 DVI or DisplayPort sources to the input connectors on the GefenPRO 16x16 Modular Matrix. DVI sources can be connected directly, or using CAT-5 or fiber, depending on input card used. Connect up to 16 outputs via DVI, CAT-5, 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 an RS-232 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.

Gefen, LLC
20600 Nordhoff Street, Chatsworth CA 91311
Tel. (818) 772-9100 (800) 545-6900 Fax (818) 772-9120
www.gefenpro.com

Wiring Diagram



Features*

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

Specifications*

Maximum Pixel Clock	• 165 MHz
Video Input Connectors (16 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 ELR-POL, RJ-45 • 8 x Fiber, SC-type
Video Output Connectors (16 x max.), organized into banks of 8, depending upon the type of input card used	• DVI-I, 29-pin, female (digital only) • ELR-POL, RJ-45 • 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	• 460W (each power supply)
Dimensions (W x H x D)	• 17.5” x 7” x 15” (444mm x 178mm x 381mm)
Shipping Weight	• 30 lbs (13.6 kg)

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