

GefenPRO[®]

8x8 Modular Matrix System



Route any 8 HDMI sources to any 8 outputs

The GefenPRO 8x8 Modular Matrix provides an all-in-one professional solution to route up to 8 DVI or DisplayPort sources to any 8 DVI outputs, supporting resolutions up to 1920 x 1200. The modular design of this 8x8 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. 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 matrices to be used in demanding 24/7 applications where enhanced reliability, ease of servicing, and zero down-time are required.

How It Works

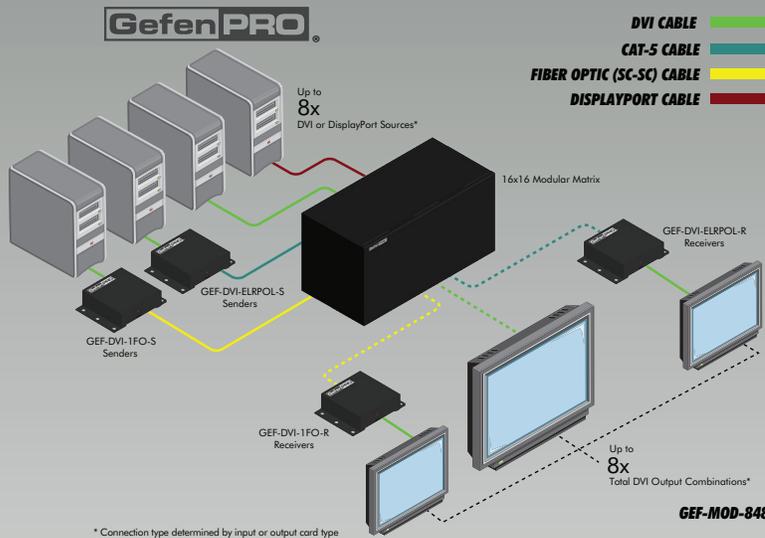
Connect up to 8 DVI or DisplayPort sources to the inputs on the GefenPRO 8x8 Modular Matrix. DVI sources can be connected directly, or using CAT-5 or fiber, depending on input card used. Connect up to 8 displays via DVI, CAT-5, or Fiber Optic cables depending on which output card is utilized. Connect 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.



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Wiring Diagram



* Connection type determined by input or output card type

GEF-MOD-848



Features*

- | | |
|---|---|
| <ul style="list-style-type: none"> • Modular input and output card, 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 | <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 165 MHz
Video Input Connectors (8 x max.), organized into banks of 8, depending upon the type of input card used	<ul style="list-style-type: none"> • 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 (8 x max.), organized into banks of 8, depending upon the type of input card used	<ul style="list-style-type: none"> • DVI-I, 29-pin, female (digital only) • ELR-POL, RJ-45 • Fiber, SC-type
RS-232	<ul style="list-style-type: none"> • 1 x DB-9, female
Ethernet (IP control)	<ul style="list-style-type: none"> • RJ-45, female
IR ports	<ul style="list-style-type: none"> • 1 x Sensor, front panel • 1 x 3.5mm mini-phone jack, rear panel
Power Input	<ul style="list-style-type: none"> • 2 x 100 - 240V AC (dual IEC hot-swappable)
Power Consumption	<ul style="list-style-type: none"> • 460W (each power supply)
Dimensions (W x H x D)	<ul style="list-style-type: none"> • 17.5" x 5.25" x 15" (444mm x 133mm x 381mm)
Shipping Weight	<ul style="list-style-type: none"> • 23 lbs (10.5 kg)

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