GefenPRO®

32x32 Modular Matrix System

GEF-MOD-32432

Route any 32 HDMI sources to any 32 outputs

The GefenPRO 32x32 Modular Matrix provides an all-in-one professional solution to route up to 32 DVI or DisplayPort sources to any 32 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-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 32 DVI or DisplayPort sources to the input connectors on the GefenPRO 32x32 Modular Matrix. DVI sources can be connected directly, or using CAT-5 or fiber, depending on input card used. Connect up to 32 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.

Features*

- Supports up to four modular input cards and four 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
- 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: (32) organized into banks of 8 depending upon the type of input module used:
  - DVI: (8) DVI-I, 29-pin, female (digital only)
  - DisplayPort: (8) 20-pin, female (digital only)
  - ELR-POL: (8) RJ-45
  - Fiber: (8) SC
- Video Output Connectors: (32) organized into banks of 8 depending upon the type of output module used:
  - DVI: (8) DVI-I, 29-pin, female (digital only)
  - ELR-POL: (8) RJ-45
  - Fiber: (8) SC
- RS-232 serial port: DB-9, female
- Ethernet (IP control) port: RJ-45 jack, female
- Power Supplies: (2) 100 - 240V AC (dual IEC hot-swappable)
- Power Consumption: 650W (each power supply)
- Rack-Mountable: 6U rack height, rack ears included
- 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.
All trademarks are properties of their respective owners.

REV A2