



# 8x8 DVI KVM Dual-Link Matrix with Push Button Control



GEF-DVIKVM-848DL-PB

## Route any of eight computer sources with DVI, USB and Audio to any eight KVM workstations with Front Panel Push Button Control

The GefenPRO 8x8 DVIKVM Dual Link Matrix with Push Button Control provides a professional-grade KVM solution to route DVI, USB 2.0, and Audio from any eight computers to any eight Hi-Def workstations. Dual link resolutions up to 3840x2400 are supported. Audio can also be routed with the video using mini-stereo cables to provide full multimedia content for digital signage applications. The front panel display shows the current routing status and the front panel push buttons are used to manage local source routing. The USB input and outputs are used for USB 2.0 compliant devices and they support keyboard and mouse functionality as well as other USB 2.0 peripherals such as hard drives, USB cameras and more. Independent audio routing allows audio to be routed separately from the video. Each source can be controlled from any workstation by using the front panel push buttons, an included IR remote, the RS-232 interface, Telnet, IP control via the built-in Web interface, or the Gefen Keyboard Controller software. The Gefen Syner-G PC software provides easy firmware updates.

## How It Works

Connect up to eight KVM source devices to the GefenPRO 8x8 DVI KVM Dual Link Matrix with Front Panel Push Button Control using the supplied DVI cables. Connect up to eight monitors to the DVI outputs. Connect the USB devices (keyboard, mouse device, etc.) to the USB input and output connectors. For audio, connect mini-stereo cables between each audio source and the audio inputs on the Matrix. Connect the mini-stereo cables between the audio outputs on the Matrix to the audio device. Plug in the power cord and apply power to the Matrix. The DVI, USB and Audio sources will be routed according to the current routing selection.

## Note:

This product only supports digital DVI (DVI-D). The product will route HDMI using adaptors, but the product is not HDCP. The USB is USB 2.0 and is also backwards compatible with USB 1.1. The Audio support L/R 2CH analog audio formats.

## Features\*:

- Supports 1080p Full HD at 120Hz and dual-link resolutions up to 3840 x 2400 or single-link resolutions up to 1920 x 1200
- Supports USB 2.0 compliant devices and backwards compatible with USB 1.1
- Support 2CH analog audio
- Programmable routing presets
- Output masking command
- IR Remote Control
- RS-232 control
- Telnet / IP Control
- Independent audio routing
- User-defined Input and Output naming
- Built-in IR Extender
- Grounding Pin
- Internal Power Supply
- Standby mode
- Supports DDWG standards for DVI
- Power ON / OFF switch
- Advanced EDID management permits upload of custom internal or external EDID settings
- Status LCD (shows routing status)
- Front panel control buttons for local switching
- Compatible with the Gefen Keyboard Controller software
- Easy firmware upgrades using Gefen Syner-G software, downloadable from Gefen website
- Rack-Mountable

## Specifications\*:

- Maximum Pixel Clock: 2 x 165 MHz
- Input Video Signal: 1.2V p-p
- DVI Input Connectors: (8) DVI-I, female
- DVI Output Connectors: (8) DVI-I, female
- USB Input Connectors: (8) Type B
- USB Output Connectors: (16) Type A
- Audio Input Connectors: (8) 3.5 mm mini-stereo
- Audio Output Connectors: (8) 3.5 mm mini-stereo
- IR Extender connector: 3.5 mm mini-stereo (for Gefen EXT-RMT-EXTIR)
- RS-232 Interface: DB-9, female
- Ethernet Connector: RJ-45, shielded
- Power supply: Internal 110 / 220 V AC (IEC Connector)
- Power Consumption: 90 W (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions: 19.0" W x 3.5" H x 12.0" D (2U Rack Space)
- Shipping Weight: 28.1 lbs

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