



8x8 HDMI Cross point Matrix



EXT-HDFST-848CPN

Route any eight HDMI sources to any eight HDMI outputs

The Gefen 8x8 Crosspoint Matrix for HDMI routes up to eight Hi-Def sources at resolutions up to 1080p Full HD with Deep Color and multichannel digital audio to any eight HDTV displays. This product eliminates the need to disconnect and reconnect HDMI sources and displays. The 8x8 Crosspoint Matrix for HDMI supports 3DTV and advanced digital audio formats such as Dolby® True HD and DTS-HD® Master Audio™. Each source is accessible at all times from any display by using the included IR Remote Control Unit, the RS-232 port, IP (Telnet or Web Server), or using the front-panel push buttons. This product uses Gefen FST technology.

Gefen FST

Fast Switching Technology (FST) is a Gefen software implementation for HDMI products. FST was created to improve the lengthy HDMI authentication process, based on the HDMI and HDCP specifications. FST allows connecting/disconnecting or turning any of the HDTV displays on or off without affecting other displays within the audio/video distribution system.

How It Works

Using HDMI cables, connect up to eight Hi-Def sources to the HDMI inputs on the matrix. Connect up to eight HDTV displays to the HDMI outputs on the matrix. 3D content can be displayed only when connecting a 3D source. Connect the included power supply to the matrix and plug it into an available electrical outlet. Turn on the matrix by pressing the power switch and then apply power to the sources and to the displays.

HDMI Features Supported*

- Resolutions up to 1080p Full HD
- 12-bit Deep Color
- LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- 3DTV pass-through
- Lip Sync pass-through

Features*

- Independently routes any eight Hi-Def sources to any of eight HDTV displays
- Gefen FST speeds up the HDCP authentication process
- Fast and Slow FST switch
- Advanced EDID Management for rapid integration of sources and displays
- Ability to save and recall presets
- Supports DVI sources and displays using HDMI to DVI adapters or cables
- Field-upgradeable firmware via IP
- Front-Panel Switching capability
- IR Remote Control via front panel sensor and back panel input (using EXT-RMT-EXTIR)
- Serial (RS-232) control for automation
- IP Control via Web Server and Telnet
- Rack mountable
- USB port for service only
- HDCP compliant

Specifications*

- Maximum Pixel Clock: 225 MHz
- Matrix Video Input Connectors: (8) HDMI Type A 19-pin, female, locking
- Matrix Video Output Connectors: (8) HDMI Type A 19-pin, female, locking
- Power Indicator: LED, blue=On, red=Standby
- Lock Indicator: LED, blue
- USB Port: Mini-B, female
- Ethernet Port: (1) RJ45, female
- RS-232 Port: (1) DB-9, female
- IR Extender Port: (1) 3.5mm mini-stereo jack
- Power Supply: 24V DC, locking
- Power Consumption: 80W (max.)
- Operating Temperature: 0 to +40 °C
- Rack mounting requirements: Standard 19" rack, 2U high
- Dimensions (W x H x D): 17.25" x 3.5" x 10" (440mm x 89mm x 254mm)
- Shipping Weight: 26 lbs (12 kg)



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