



- ▶ Stores EDID configuration for DVI monitors up to 1920×1200@60Hz video resolution.
- ▶ Learns the EDID configuration.
- ▶ Installs in seconds, with easy and compact design for installation and operation.
- ▶ External power supply, +5V adapter.
- ▶ Monitor can be disconnected without losing EDID configuration.
- ▶ 1, 2 and 4 port models available

Features and Benefits

- Resolves DVI video display problems resulting from a loss of EDID (Extended Display Identification Data) information
- Corrects optimum monitor performance when a PC is booted without the monitor connected
- Overrides the incorrect DVI-EDID data transfer that can happen when KVM switches and KVM extenders are connected
- Negotiates a valid EDID display when the computer or host device is unable to pass a valid display signal to the monitor
- Learn mode is memorized in the DVI-D EDID emulator, preventing the possibility of blank screens and boot problems as well as resolving problems with display resolution and color due to the lack of valid EDID information
- Supports DVI-D single-link video up to 1920×1200@60Hz
- Stores EDID information in non-volatile memory so the configuration is not lost when the device is powered off
- Displays can be disconnected as needed without the loss of the EDID configuration data
- Compatible with most DVI-D monitors, and all Windows versions

Product Overview

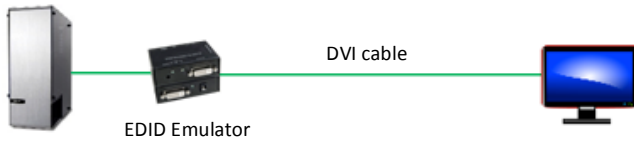
The DVI-D EDID Emulator prevents the operating system from auto-configuring the display monitors if the computer is booted without the displays connected. The Emulator is placed between the incoming video signal from a host device (computer or host video device) and a monitor to facilitate full DDC transparency at all times. Where a KVM Switch or KVM Extender is being used, the location of the DVI-D EDID Emulator will depend on the individual configuration or layout of the user's system.

If the KVM Switch does not provide two-way DDC communication, then a DVI-D EDID Emulator will need to be placed between the KVM Switch and each connected PC. If a KVM Extender is being used, then the DVI-D EDID Emulator is normally placed between the host PC and the transmitter device.

The DVI-D EDID Emulator has a built-in EDID table. The information in this table may be suitable for use with the connected monitor. If video format problems remain, then the EDID characteristics of the particular monitor can be uploaded to the DVI-D EDID Emulator. This is done by connecting the monitor directly to the emulator, and pressing the "Learn" button. When complete, the DVI-D EDID Emulator is then connected back into the user system.

The DVI-D EDID Emulator allows the user to have best video image setting at all times.

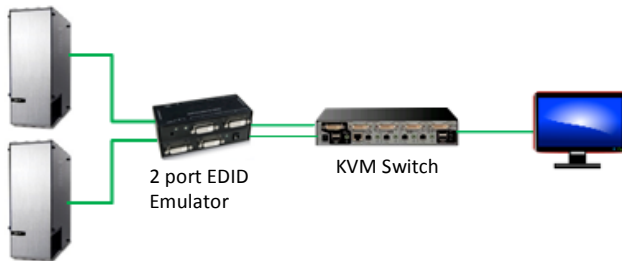
Typical Application



The DVI-D EDID Emulator is available in 3 models (1 port, 2 port and 4 port). Each model operates in the same way, and learns EDID configurations on power-up. The single port model is an ideal troubleshooting tool for single PC/monitor applications.

The dual and quad port models are used in applications requiring dual or quad DVI display monitors, typically connected to a PC or video wall host device with a multi-port video graphics card.

Learn mode Direct connect the DVI-D EDID Emulator to a display monitor to upload the EDID information into the DVI-D EDID Emulator



KVM switch Locate the DVI-D EDID Emulator between the PC and the KVM switch. For use where a KVM switch does not fully support 2 way DDC communications.

KVM/video extender The DVI-D EDID Emulator may be required to force a constant video resolution where the extender device does not support 2 way DDC communications, or the combination of a KVM switch and KVM extender blocks end-to-end DDC communications.

Cable requirements Connect the EDID Emulator using standard DVI-D 29-pin video cables.

Specifications

Dimensions (W x D x H)	1 port unit: 3.25 × 2.175 × 1.75" (82 × 55 × 45mm) 2 port unit: 5.00 × 3.00 × 1.75" (127 × 76.2 × 45mm) 4 port unit: 8.75 × 3.00 × 1.75" (222 × 76.2 × 45mm)
Weight	1 port unit: 0.2lb (< 0.5 kg) 2 port unit: 0.3lb (< 0.5 Kg) 4 port unit: 0.5lb (< 0.5 Kg)
Power	100-240 VAC 50-60Hz One external adapter, +5 DC, 2A, 10W
Resolution	Up to 1920×1200@60Hz, DVI-D single-link
Pixel clock	Maximum 165Mhz
DDC signal	5 volts peak-to-peak (TTL)
TMDS signal	1.2 volts peak-to-peak (TTL)
Distance	Input and output, up to 10ft (3.0 meters)
Connectors	In and Out, 1, 2 or 4 DVI 29-pin
LED's	2 activity LED's for EDID learning 1 LED for power
Environment	Operating temp: 32°F – 131°F (0°C – 55°C) Storage temp: -4°F – 185°F (-20°C – 85°C)
Approvals	UL, CE, RoHS

Part numbers

ACC-1×EDID-DVI	DVI-D EDID Emulator, 1 port
ACC-2×EDID-DVI	DVI-D EDID Emulator, 2 port
ACC-4×EDID-DVI	DVI-D EDID Emulator, 4 port
CAB-DVIDMM006	DVI-D extension cable, 6ft (2.0m)
CAB-DVIDMM010	DVI-D extension cable, 10ft (3.0m)



1 port unit



2 port unit



4 port unit

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