



## Modules Extend Dual-Link DVI up to 3300 feet



EXT-DVI-FM2500

### Modular Dual-Link DVI extension using a two-strand multimode fiber optic cable with Virtual EDID

The Dual Link DVI fiber optic module extender with Virtual EDID extends dual-link DVI up to 3300 feet (1 kilometer) to a display supporting resolutions up to 3840 x 2400 (WQXGA) using a two-strand 50/125 $\mu$ m laser-optimized multimode (OM3) LC-terminated fiber optic cable. Optical signal transmission provides galvanic isolation and immunity to electromagnetic interference compared to similar copper-based extension modules.

The Virtual EDID feature programs the display EDID into the Sender module to ensure fast integration and compatibility between the source and the display.

The attractive and compact Sender and Receiver modules fit neatly behind the equipment for a clean installation, making it a great way to extend dual-link DVI.

### How It Works

The Sender module plugs into the DVI source. The Receiver module plugs into the dual-link display. Connect a two-strand multimode LC-terminated fiber optic cable from the Sender to the Receiver module. Plug the power supply into the Receiver module and a vibrant Hi-Def picture will appear on your display.

**Note:** The Sender module does not need to be powered externally unless the source does not supply enough power through the DVI connector.

### Features\*

- Extends dual-link DVI up to 3300 feet (1 kilometer) over two strands of OM3 (laser-optimized 50/125 $\mu$ m) multimode fiber optic cable
- Extends dual-link DVI up to 1650 feet (500 meters) over two strands of OM2 (conventional 50/125 $\mu$ m) multimode fiber optic cable
- Extends dual-link DVI up to 1000 feet (300 meters) over two strands of OM1 (62.5/125 $\mu$ m) multimode fiber optic cable
- Supports resolutions up to 3840 x 2400 (dual-link DVI)
- Virtual EDID allows EDID copying from the display to the source
- Fiber optic transmission eliminates electromagnetic interference (EMI)
- Sturdy metal die-cast enclosures are perfect for professional and industrial applications
- Compact Sender and Receiver modules provide a clean, easy installation
- Use Gefen CAB-2LC-xxx OM1 Fiber Optic Link Cables for distances from 30 - 330 feet (9 - 100 meters)
- FCC and CE compliant for EMI/RFI emission

### Specifications\*

- Maximum Pixel Clock: 2 x 165 MHz
- Video Input Connector (Sender): (1) DVI-D 24-pin, male
- Video Output Connector (Receiver): (1) DVI-D 24-pin, male
- Link Connector (Sender / Receiver): (2) Type LC
- Power Supply (Receiver): 5V DC
- Power Supply (Sender): 5V DC (not needed for most applications)
- Power Consumption (Receiver): 1.5W (max.)
- Operating Temperature: 0° to -50° C
- Storage Temperature: -30° to +70° C
- Relative Humidity: 5% to 85%
- Dimensions (W x H x D): 1.54" x 0.59" x 2.83" (39.11mm x 14.98mm x 71.88mm)
- Shipping Weight: 2 lbs (0.91 kg)

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