

# Installing the EdgeMedia DSP Board in a Dialogic® IP Media Server

Part Number: 939-022-02

The EdgeMedia DSP Processor Array (EDP-10) Plug-in board provides transcoding assistance for the Dialogic® IP Media Server.

The EDP-10 board is required when the IP Media Server provides additional functionality to connect to a non-G.711 network, such as G.726 or G.729.

The EDP-10 board is a transcoding engine exclusively for use with the IP Media Server and does not provide a separate TDM or Ethernet interface. It can be used in a variety of applications such as call centers, conferencing, pre-paid applications and messaging platforms.

## Operating/Environmental Specifications

This device must be installed in an enclosure that meets the following electrical and mechanical requirements:

- Power Requirements:
- Base: 2A at 5VDC = 10W / 4A at 3.3VDC = 13.2W
- Temperature: 0 degree C - 50 degree C
- Humidity: 10% - 95% (noncondensing)
- Cooling: Direct forced-air flow is required.
- MTBF (mean time between failures): >150,000 hours

## Installing the EDP-10 Board

Read the product instructions for installing hardware and software before installing your board so that you install them in the proper order.



A small amount of static electricity can destroy the sensitive components on your board. To prevent static damage, always connect yourself to ground using a ground strap before touching a circuit board. Handle boards only by the edges or metal mounting brackets and transport boards in an anti-static bag.

To install the board:

1. Power off the computer.
2. Remove the computer cover. If the system has a board hold-down bar, remove that as well.
3. Locate an unused PCI expansion slot and remove the blank bracket.
4. Holding the board at each top corner, insert the board firmly into the PCI slot.
5. Screw the board's mounting bracket securely to the computer's frame. See Figure 1.



When installing the board, be sure that the mounting bracket is securely fastened to the chassis and the chassis is plugged into a grounded three prong plug. Improper chassis or bracket grounding can result in harmful or fatal electrical shock as well as component damage.

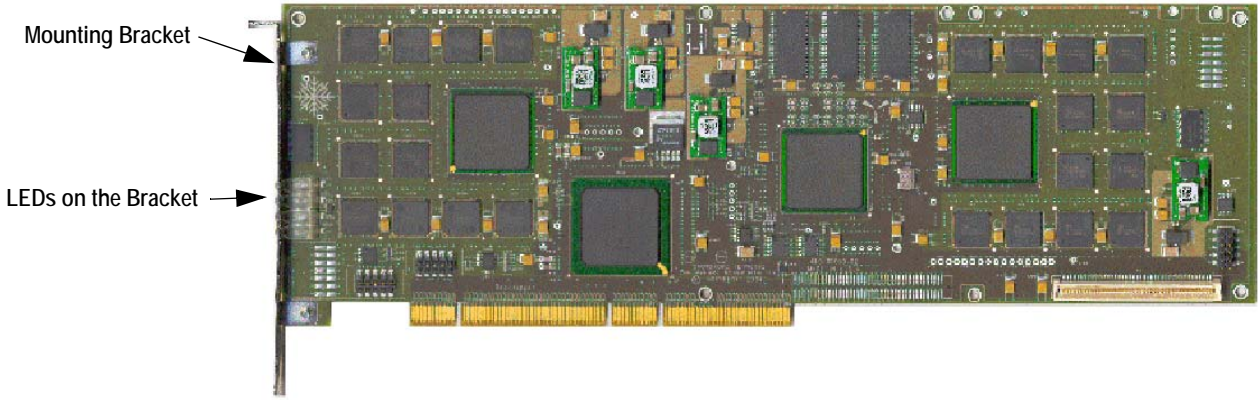


Figure 1. EDP-10 Board

6. Replace the computer cover.
  7. Turn on the computer.
- The board ON/UP LED should be green.

## Recognizing PCI Slots

The EDP-10 board is compliant with the following:

- 32/64 bit, 33MHz/66MHz, PCI-SIG 2.3 chassis
- PCI-X chassis up to 66MHz

The PCI connectors in the computer chassis usually appear as white slots, unlike ISA connectors, which are dark brown or black. The different variations of PCI connectors that can be used with the board are shown in Figure 2. The board has a Universal PCI board edge connector. It can be inserted into any of the PCI slots shown in Figure 2.

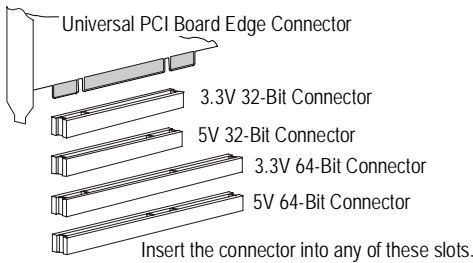


Figure 2. PCI Slots

## Understanding the LEDs

The EDP-10 board has four LEDs on the mounting bracket.

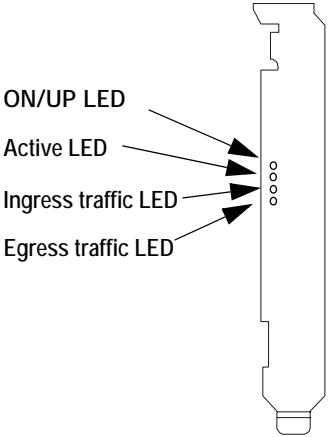


Figure 3. Front View of Mounting Bracket

### ON/UP LED

This LED is on when the card is powered on, out of reset, and ready to be used.

### Active LED

This LED on when the card is active and the driver has detected the card.

### Ingress Traffic LED

This LED blinks when there is packet traffic coming into the card.

### Egress Traffic LED

This LED blinks when there is packet traffic going out of the card.

# Safety Compliance Statements

The following customer information must be provided to customers with each product.

The statements provided below should be conspicuously located in the end user system documentation:

## United States of America and Canada

This product is listed by Underwriters Laboratories, a Nationally Recognized Test Laboratory (NRTL). The Listing Mark is located on the bottom surface of the board. The product has been tested and complies with UL 60950 and CAN/CSA-C22.2 No. 60950, Safety of Information Technology Equipment, Including Electrical Business Equipment.

This card is for use only with compatible UL or equivalent NRTL Listed personal computers/servers that have installation instructions detailing user installation of card cage accessories.

This product must be mounted in the final assembly so that it is isolated from exposure to any hazardous voltages (voltages greater than 42.4V peak or 60Vdc) within the assembly. Adequate separation and restraint of cables and cords must be provided.



To maintain the safety certification of the system, ensure that the power drawn from the power supply does not exceed its capacity. Please refer to the power usage table on this hardware installation card for information on the voltages and currents required for proper operation.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

# Getting Help

If you have a problem installing your board, first check with the provider of your board to determine if there is a problem. If your provider cannot solve your problem, then contact Dialogic Technical Support.

## Dialogic Technical Support

Dialogic provides technical support for customers who have purchased the EDP-10 from Dialogic. If you purchased products from a reseller, please contact that reseller for technical support.

This equipment contains no user-serviceable parts and is not intended for repair by unauthorized personnel.

If you experience trouble with the board, for repair or warranty information, please go to the following Dialogic web site:

[www.dialogic.com/support/](http://www.dialogic.com/support/)

## Declaration of Conformity

For product declaration of conformity, refer to the following Dialogic web site. (Select Product: Media Server with EDP-10-R.)

<http://www.dialogic.com/declarations/default.htm>

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