1. Product Description

The Dialogic® D/120JCT-LS-EW combined media board is a 12-port analog telecom board in a PCI Express form factor. The Dialogic® D/120JCT-LS-EW supports voice, fax, and software-based speech recognition processing in a single PCI Express slot, and provides 12 analog telephone interface circuits for direct connection to analog loop start lines.

Additional Information

Additional information about the Dialogic® D/120JCT-LS-EW is available from a number of sources.


Referring to the Release Guide and the online Release Update for your Dialogic® system release software, you can verify that the Dialogic® D/120JCT-LS-EW is supported in the release and for information on any new features or issues that may relate to it. The Regulatory Notices document that is packed with each Dialogic® D/120JCT-LS-EW board contains safety warnings and national requirements for proper operation of telecommunications equipment.

2. Before You Begin

2.1 Product Description

1. RJ-14 Jacks, J1-J6: Two-line analog telephone connectors.
2. SW100: Rotary switch used to set board ID number.
3. SW1: Slide switch to set default hook-state of all lines when board is powering up. Factory setting selects on-hook as the default.
4. CT Bus connector: H.100 telephony bus connector.
5. PCI Express connector: Host bus connector. Compatible with x1 and larger PCI Express link connectors.
6. Power Budgeting Jumper P3: 3-pin jumper to set how the board responds to the system’s power budgeting function.
   - P3 jumper in pins 1-2: Board adheres to power budgeting values set by system.
   - P3 jumper in pins 2-3: Board ignores power budgeting values set by system.
7. Factory default is P3 jumper in pins 2-3.
8. Power Budgeting Jumper P3: 3-pin jumper to set how the board responds to the system’s power budgeting function.
   - P3 jumper in pins 1-2: Board ignores power budgeting values set by system.
   - P3 jumper in pins 2-3: Board adheres to power budgeting values set by system.

5. Installing the Board

5.1 Unpacking the Board

Unpack the board according to the following steps:

1. Prepare a static-safeguarded work area.
2. Carefully remove the board from the shipping carton and static-shielding bag. Handle the board by the edges and avoid touching the board’s components.
3. Lay the board on the static-dissipative work surface.

Note: Place boards in static-shielding bags when carrying boards from station to station.

CAUTION: Do not remove the board from the static-sensitive packaging until you are ready to install it. Observe proper anti-static precautions at all times.

3.3 Configuring the Board

The Dialogic® D/120JCT-LS-EW board uses Plug and Play technology to simplify installation. No user configuration is required for IRQ or memory address.
4. Insert the board's edge connector into the bus slot, and apply firm pressure to the top edge of the board until the board is fully seated in the edge connector.

5. Reinstall the retaining screw.

6. Repeat steps 1 through 5 for any additional boards you are installing.

7. Connect the telephone boards together with a CT Bus cable of the appropriate size (not included). If possible, use a cable assembly that matches the number of boards in your system. The cable has more than one unused connector, install the cable so that all the unused connectors are at one end of the cable.

8. Replace the computer's cover.

9. Reconnect the computer's power cord.

6. Connecting to External Equipment

Each of the six RJ-14 jacks on the rear bracket of the Dialogic® D/120JCT-LS-EW board supports two analog telephony channels. A standard telephone will not function when directly connected to the board. The following figure illustrates the pinout of the RJ-14 jacks, which provide two tip/ring pairs with an earth recall, one set for each telephony channel.

7. After Installing the Board

If you are installing the Dialogic® D/120JCT-LS-EW in a system that already has the Dialogic system release software installed, you may not need to install a new or upgraded software release to support the board. The Dialogic® D/120JCT-LS-EW has been designed to be compatible with existing System Release 6.x software versions that support PCI boards. Please refer to the Release Update document for your release version for up-to-date information about support for PCI Express boards and any known issues relating to their use.

If this is the first Dialogic® telecom board you have installed in your system, you will need to install an appropriate version of the Dialogic® system release software and configure the software for the specific board(s) you are using. Refer to the installation and configuration documentation that accompanies the release for instructions.

When configuring the system for the Dialogic® D/120JCT-LS-EW board, use the same menu selections and configuration settings that are documented for the PCI version of the Dialogic® D/120JCT-LS.

8. Removing the Board

Removal of the Dialogic® D/120JCT-LS-EW board is essentially the reverse of the installation procedure:

1. Observe anti-static precautions.

2. Disconnect the telecommunications cables.

3. Remove the computer's power cord.

4. Remove the computer's cover.

5. Disconnect the CT Bus cable (if applicable).

6. Remove and set aside the board's retaining screw.

7. Remove the board and place it static-protective packaging.

9. Contacting Technical Support

Dialogic provides technical support for its products through a network of value added distributors who are trained to answer technical questions on installing and configuring Dialogic® products. If you are unsure how to contact your support channel, please call Dialogic in the United States at 973-967-6600 (9am - 5pm EST) and we will assist in obtaining the appropriate support channel.

10. Returning a Product

To return a board for warranty repair or any other returns, please refer to the following: http://www.dialogic.com/support/returns.

11. Warranty Information

For specific warranty information for this board, refer to the Warranty section of the Products page, located at this URL: http://www.dialogic.com/warranties/.

12. Sales Assistance

If you have a sales question, please contact your local Sales Representative or the Regional Sales Office for your area. Address, telephone and fax numbers, are available at the Dialogic website located at: http://www.dialogic.com/contact.htm.

To purchase Dialogic® products, please refer to the following website to locate the appropriate supplier: http://www.dialogic.com/purchase.htm.

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