Dialogic® DM/V1200-4E1-cPCI Voice Board

Quick Install Card for CompactPCI

Dialogic®

Before You Begin

Protecting the Board from Damage

CAUTION: All computer boards are sensitive to electrostatic discharge ("ESD"). Handle all static-sensitive boards and components at a static-safe work area, and observe anti-static precautions at all times.
If you are not familiar with ESD safety precautions, visit http://www.dialogic.com/support/hwinstall to learn more.

Unpacking the Board

Unpack the Dialogic® DM/V1200-4E1-cPCI Voice Board ("board") according to the following steps:
1. Prepare a static-safeguarded work area.
2. Carefully remove the board from the shipping carton and anti-static packaging. Handle the board by the edges and avoid touching the board's components.
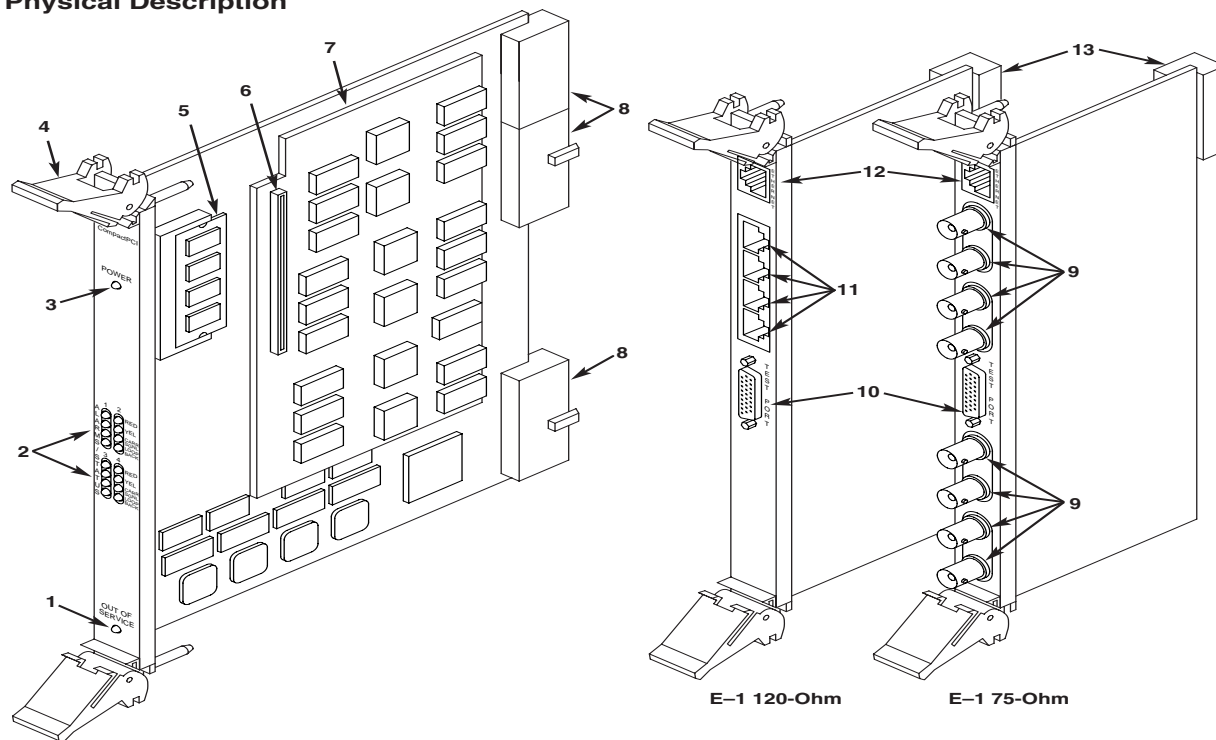3. Lay the board on the static-dissipative work surface.

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

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

Installing the Product

CAUTION: The procedures provided in this document fully describe how to install the DM/V1200-4E1-cPCI in a "cold" system (powered off). The procedure for live insertion, or hot swap, is system dependent. Refer to the Administration Guide for your particular Intel® system software release for further details.

Physical Description

Compact PCI Baseboard

1. Out of Service LED—Indicates board is out of service or in reset from host
2. Alarm Status LEDs:
   RED—Indicates loss of clock on incoming lines from external networks
   YELLOW—Indicates loss of frame synchronization at far end external networks
   Carrier Signal—Indicates board is powered up and receiving signal from external E−1 sources
   Loopback—Indicates the E−1 networks are in loopback mode
3. Power LED—Indicates board is powered up
4. Board Extractor
5. Global Memory Module
6. J5—Signal Processor Daughterboard connector
7. Signal Processor Daughterboard
8. P1, P4, and P5—Compact PCI board connectors to backplane

E−1 120-Ohm   E−1 75-Ohm

Rear I/O Modules

9. BNC Connectors—Connectors to external E−1 (75-Ohm) telephone network interface
10. P2—Network interface test port
11. J1, J2, J3, and J4—Connectors to external E−1 (120-Ohm) digital telephone network interface
12. Ethernet Connectors*—Connects to Ethernet network
13. P5—Rear I/O module connector to Compact PCI backplane

* The connection to the Ethernet is used only for voice-over IP (VOIP) applications. In all other instances, it is not functional.

Installing the Rear I/O Module

NOTE: If you are installing the product in a live insertion system (powered-on), you should install the Rear I/O module before the main board.

1. Work at a static-safe area. Turn the power to the chassis **OFF** if you do not have a live insertion system. If you have live insertion capability, the power to the chassis can remain **ON**.

2. Remove the cover plate or open the chassis door.

3. If you already installed the main board, locate the rear of the selected slot; otherwise, select an empty peripheral expansion bus slot.

4. Install the Rear I/O module in the rear of the slot. Use the slot's board guides as you insert the board into the chassis slot. Make sure that the tabs on the board extractors engage the guide holes in the chassis card cage, then lock down the board extractors until the red locking tabs snap shut.
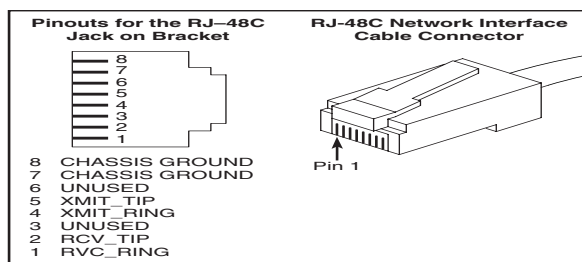
CAUTION: CompactPCI backplane pins are bent easily. Make sure that the board is seated with hand pressure before fully seating board. If board extractors are used to seat the board, make sure to seat evenly.

Installing the Main Board

NOTE: If you are installing the product in a live insertion system (with the power on), you should install the Rear I/O module before the main board.

1. Work at a static-safe area. Turn the power to the chassis **OFF** if you do not have a live insertion system. If you have live insertion capability, the power to the chassis can remain **ON**.

2. Remove the cover plate or open the front chassis door.

3. If you already installed the Rear I/O module, locate the front of the selected slot; otherwise, select an empty peripheral expansion bus slot.

4. Install the Dialogic® main board in the front of the selected slot. Use the slot's board guides as you insert the board into the chassis slot. Make sure that the tabs on the board extractors engage the guide holes in the chassis card cage, then lock down the board extractors until the red locking tabs snap shut.

NOTE: If the power to the chassis is on, power is automatically applied to the board, the Out of Service LED lights briefly and then goes out, and the Power LED goes on.

5. Tighten the retaining screws to secure the board firmly in the chassis slot (optional).

6. If the power to the chassis is turned **OFF**, turn the power to the chassis **ON**.

Connecting External Cables

For information about the pinouts for the network interface cable, refer to the *Pinouts for the RJ-48C* figure.

Pinouts for the RJ-48C

Pinouts for the RJ–48C Jack on Bracket

```
8 7 6 5 4 3 2 1
```

RJ-48C Network Interface Cable Connector

Pin 1

8	CHASSIS GROUND
7	CHASSIS GROUND
6	UNUSED
5	XMIT_TIP
4	XMIT_RING
3	UNUSED
2	RCV_TIP
1	RVC_RING

After Installing the Hardware

After installing the hardware, proceed with the system software installation as described in the system software documentation (if applicable).

For technical specifications and product information, see the Dialogic website at *http://www.dialogic.com/products.htm*
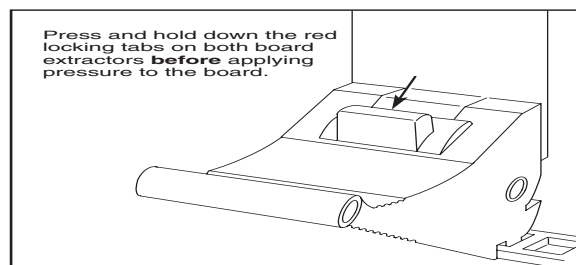
Removing the Main Board

Exercise caution when removing the board from a CompactPCI chassis. The board extractors are equipped with red locking tabs that lock when the board is correctly positioned in the chassis.

To remove the board from the chassis, simultaneously press down both red locking tabs (see the *CompactPCI Extractor* figure) on the extractors before applying pressure away from the center of the board to disengage.

CAUTION: When removing the board, if the red locking tabs on the extractors are not pressed while applying pressure to the extractors, there is a risk of breaking the tabs.

CompactPCI Extractor

Press and hold down the red locking tabs on both board extractors **before** applying pressure to the board.

Removing the Rear I/O Module

NOTE: In a live insertion (powered-on) system, do not remove and replace a Rear I/O module while the main (front) board is in service. Remove the front board first, then remove and replace the Rear I/O module, and then reinsert the front board.

To remove the board from the chassis, simultaneously press down both red locking tabs (see the *CompactPCI Extractor* figure) on the extractors before applying pressure away from the center of the board to disengage.

Warranty and Return Information

Warranty Period

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/.

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. Outside the United States please refer to http://www.dialogic.com/support/contact to obtain local contact information. Dialogic also provides direct support via Dialogic® Pro™ Services agreements. For more details of direct support from Dialogic please refer to: http://www.dialogic.com/support/DialogicPro.

Returning a Product

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

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.