

Dialogic

Dialogic® IMG/MSP 1010 TECH NOTE

Adding a 2nd VoIP Module

Follow this procedure to add a VoIP Module on the IMG or MSP.

Caution:

Electrostatic Discharge Protection (EDP) must always be used. Electrostatic Discharge (ESD) protective straps, shoes, or mats must be used when working with electronic components. Electrostatic discharge from your body can damage integrated circuits during installation.

Required Tools and Parts

- VoIP Module or Media Module (Dialogic supplied).
- 4 Phillips pan head screws (Dialogic supplied).
- #1 Phillips head screwdriver (customer supplied).

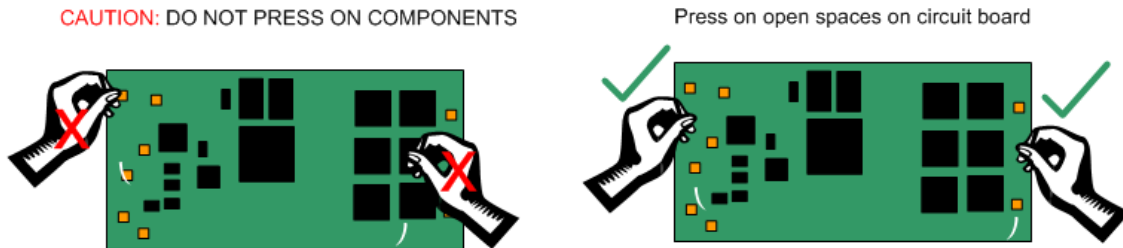
Steps

1. Set power to OFF (O) at rear of docking station.
2. Remove Motherboard Tray. See [Diagram 1 - Removing Motherboard Tray](#).
 - a. Loosen the two ejector captive fasteners located on each side of the front panel.
 - b. Lift the ejectors upward and pull to unseat the tray from the docking station.
 - c. Slide the tray out.
3. Locate Module Position. See [Diagram 2 - Module Positions](#).

Installing a second VoIP Module

4. Install module on motherboard

- a. Position the module over the four standoffs.
- b. Align the connectors on the module with the connectors on the motherboard and press together. See diagram below



Cautions:

- **The connectors must be properly aligned and fully seated, to ensure a trouble-free installation.**
- **When pressing the module onto the motherboard do not press on the components installed on the module, but rather press on an open area on the edge of the Printed Circuit Board itself.**

- c. Attach the module with the four (4) Phillips pan head screws. **Caution:** Do not over tighten the screws. (Recommended torque: 3-5 in-lbs (.34-.56 N-M)).

5. Re-insert Motherboard Tray

- a. Align the rail on each side of the tray with the guides on the inside of the docking station.
- b. Ensure the ejectors are in the up position.
- c. Slide the tray in until the power connectors and signal connectors initially mate (the ejectors will start to move down).
 - Do not force the tray if any resistance occurs when mating with the docking station. Using undue force could damage the unit.
 - The guides only provide gross alignment to the power and signal connectors. The guide pins on the main board and I/O card are self-aligning and provide exact alignment for the connectors.
 - The tray guides also act as the conduit for any Electrostatic Discharge (ESD) as the tray initially mates with the docking station.
- d. When the tray is seated and the connectors are mated, push the ejectors down and tighten captive fasteners.

6. Set power to ON (1) at rear of docking station.

Installing a second VoIP Module

Diagram 1 - Removing Motherboard Tray

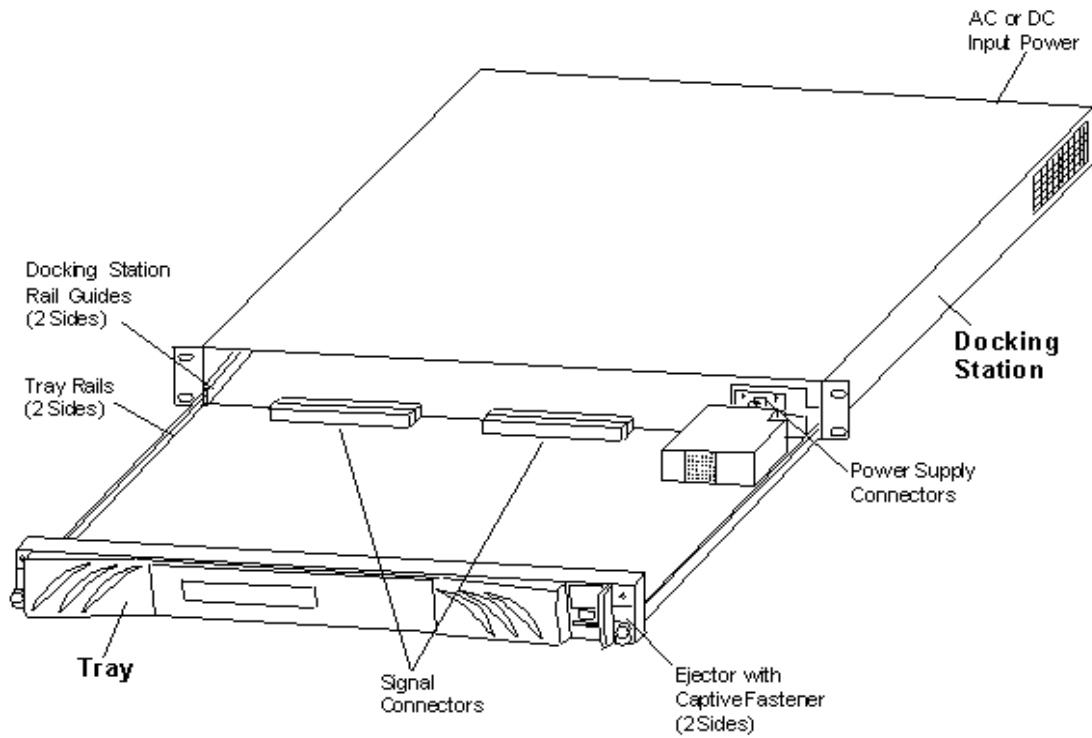
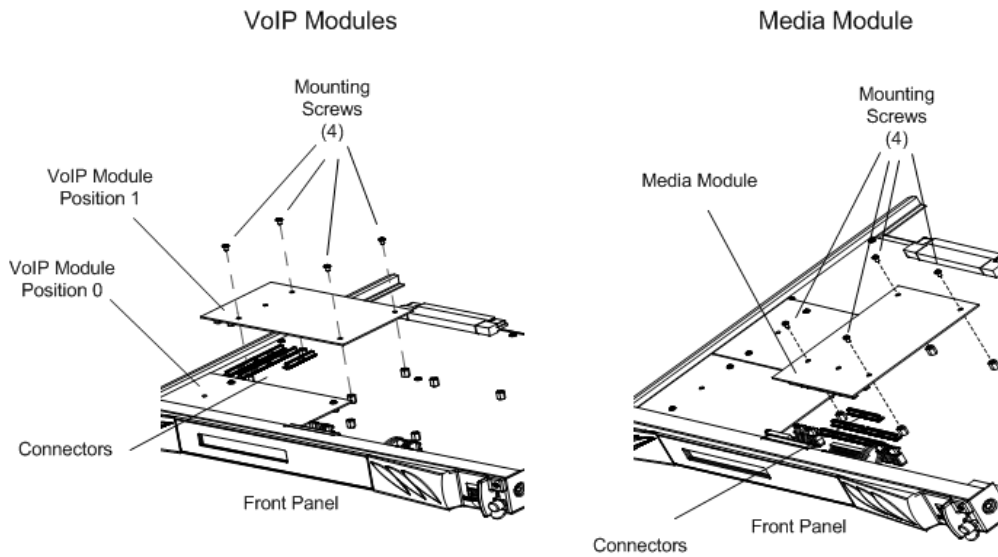


Diagram 2 - Module Positions

Important: If only one VoIP module is to be installed, it must be at Position 0.



Installing a second VoIP Module

Configuring the Second VoIP Module

Procedure

Perform the following steps to configure a second VoIP module to the IMG/MSP:

1. Configure Network Interface
 - a. Locate the Network Interface object that is already created in ClientView. This object was originally created when configuring the first VoIP module. The Network Interface object will be located under the Physical IMG/MSP object in ClientView.
 - b. Expand this object so that all configured objects below it are displayed. Verify that there is already VoIP Module 0: Port 0 configured
 - c. Right-click **Network Interfaces** and select **New Network Interface**. A second Network Interface object will get created. Select VoIP Module 1: Port 0 from the drop down menu .
 - d. In the **Logical Interface** field select Redundant Data.
 - e. In the **IP Address**, **Subnet** and **Default Gateway** fields, enter the appropriate values.
 - f. Right-click the entry and select **Commit**.
2. Configure VoIP Facilities
 - a. Right-click **Facility** and select **New Bearer - IP**. The VOIP Module Pane will get created. Populate the fields accordingly.

The following fields are populated Automatically

- The **Module ID** field is automatically populated with the next available ID.
 - The **Network Interface** field is automatically populated with VoIP Module 1: Port 0
 - The **Network IP Address** field is automatically populated with the IP Address of the second module just added.
 - The **Module Configuration Profile** field is automatically populated with the profile configured in the dhcpd.conf hostflag
 - Profile 5 = Any Vocoder
 - Profile 6 = iLBC Profile
 - Profile 7 = Wireless Profile
 - The Port number will start at 11072 and can be changed by clicking on the Starting RTP port. Once clicked a Range Dialog box will appear allowing you to change port number
 - A name can be input into the Fully Qualified Domain name field by clicking in the field and then typing.
- b. Right-click the entry and select **Commit**.

For more details see the VoIP Module pane reference in the online documentation located at the customer support web site <http://excelsupport.dialogic.com> .