Installing and Removing a LOM Card

Important - We recommend that only experienced personnel install or remove hardware components. Installing or removing components incorrectly can permanently damage the appliance.

For more information about using Lights Out Management, see the Check Point 12000, 4800 and TE Appliances Lights Out Management Administration Guide.

Preparing the Appliance

Before you start to install or remove the LOM (Lights Out Management) card, make sure that:

- The appliance is in a clean environment and on a level surface.
- You can physically access and open the cover of the appliance.
- You can connect to the WebUI or CLI to shut down the appliance.
- You have the Check Point LOM card upgrade kit.

Important - To protect the appliance and the LOM card from electrostatic discharge damage, make sure that you are properly grounded before you touch any of the electronic components. Read the Health and Safety Information in the Check Point TE1000 & TE250 Appliances Getting Started Guide before you start to prepare the appliance.

We recommend that you use the grounding wrist strap that is included in the upgrade kit. The grounding plug on the rear of the appliance provides a chassis grounding point.
Upgrade Kit Contents

- Installation guide - Check Point 12000, TE1000, 4800, and TE250 Appliances Installing and Removing LOM Card
- LOM card
- Screwdriver
- 2 screws
- Upgrade kit sticker
- ESD grounding strap (anti-static)

To prepare the appliance:
1. From the WebUI or the CLI, shut down the appliance.
2. Use the power switch to turn off power to the appliance.
3. Remove the power cords from the appliance.
4. Remove the warranty sticker from the appliance cover screw.
5. Remove the appliance cover screws.
   - Only use the screwdriver that is included in the upgrade kit to open and replace the appliance cover.
6. Put on the ESD strap and attach the other end to a grounding point.
7. Remove the top cover from the appliance.

Check Point 4800 and TE 250
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Appliance cover</td>
</tr>
<tr>
<td>2</td>
<td>Four appliance cover screws</td>
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</tbody>
</table>
Installing the LOM Card

Check Point 12600, 12400, and TE1000 Appliances
(This diagram shows the memory sockets for a 12600 appliance)

Check Point 12200, 4800, and TE250 Appliances
(This diagram shows the memory sockets for a 12200 appliance)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Power supply units</td>
</tr>
<tr>
<td>2</td>
<td>Memory socket(s) with DIMM installed</td>
</tr>
<tr>
<td>3</td>
<td>Expansion memory socket(s)</td>
</tr>
<tr>
<td>4</td>
<td>LOM card socket</td>
</tr>
</tbody>
</table>
To install the LOM card in the appliance:

1. Find the LOM card socket on the system board.
   
   **Important** - Be careful, there are sharp metal parts in the appliance, like the heat sink fin and bracket, that can cause injury and easily damage the hardware.

2. Hold the LOM card at an angle to align with connector.

3. Press down on the LOM card until it lies flat.
   
   Only touch the rear corners of the LOM card. Pressing on the heat sink or other LOM card components can damage the hardware.
The two retainer clips snap and secure the LOM card. It may be necessary to use your finger press the two retainer clips.

4. Use the two screws from the upgrade kit to secure the LOM card onto the system board. Do not tighten the screws too much.

5. Make sure the LOM card is installed correctly.
   a) Connect the power cords to the appliance.
      Make sure the green LED on the LOM card is on.
   b) Replace the appliance cover without using the appliance cover screws.
   c) Turn on the appliance using the power switch at the rear of the appliance.
   d) Use an Ethernet cable to connect the LOM port to a computer.
      Make sure the LOM port link LEDs are on.

6. Use the four appliance cover screws to secure the cover on the appliance.

Important - Make sure that there are no leftover parts inside the appliance.
Attaching the New Warranty Sticker

After you install the new LOM card, attach the new warranty sticker on the appliance.

⚠️ **Important** - Failing to attach the new warranty sticker correctly will void the warranty of the appliance.

**To attach the new warranty sticker:**
1. Make sure that the appliance operates correctly.
3. Attach the new warranty sticker from the upgrade kit to the appliance.
   - The warranty sticker covers an appliance cover screw.
4. Clearly write this information on the sticker:
   - Date of upgrade.
   - Current configuration of the appliance for the DIMMs and LOM card.

Removing the LOM Card

Make sure that you prepare the appliance before you remove the LOM card. For more information, see Preparing the Appliance (on page 1).

**To remove the LOM card:**
1. Find the LOM card. Loosen and remove the two screws.
2. Pull the socket retainer clips OUT (away from the card edges).
3. Lift the rear of the card up and away from the system board.
   - Only touch the rear corners of the LOM card. Pressing on the heat sink or other LOM card components can damage the hardware.
4. Make sure the appliance starts correctly.
   a) Replace the appliance cover without using the appliance cover screws.
   b) Connect the power cords to the appliance.
   c) Turn on the appliance using the power switch at the rear of the appliance.
   d) Make sure that the LCD screen shows the appliance model.

   ! Important - Make sure that there are no leftover parts inside the appliance.

5. Use the four appliance cover screws to secure the cover on the appliance.