Check Point 21000 Appliances
Installing and Removing 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 Appliance Lights Out Management Administration Guide*.

**Preparing the Appliance**

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

- You can connect to the WebUI or CLI to shut down the appliance.
- The appliance is in a clean environment and on a level surface.
- You can physically access and open the cover of 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 21000 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 21000 Installing and Removing LOM Card
- LOM card
- Screw driver
- Upgrade kit sticker
- ESD grounding strap (anti-static)

To prepare the appliance:
1. Press the power switch, and release it immediately.
   The appliance shuts down.
2. Remove the power cords from the appliance.
3. Put on the ESD strap and attach the other end to a grounding point.
4. Loosen the two retaining screws for the bottom tray.
   Only use the screwdriver that is included in the upgrade kit on the retaining screws.
5. Pull hard on the extraction handles for the bottom tray and remove the tray from the appliance.
Note - The previous diagrams show the 21400 appliance.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Slot for optional Security Acceleration Module tray</td>
</tr>
<tr>
<td>2</td>
<td>Bottom tray with the system board</td>
</tr>
<tr>
<td>3</td>
<td>Two retaining screws and extraction handles for the bottom tray</td>
</tr>
<tr>
<td>4</td>
<td>Grounding point for ESD strap</td>
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</table>
Installing the LOM Card
21600, 21700 and 21800 Appliances

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<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
<td>1</td>
<td>Cooling fans</td>
</tr>
<tr>
<td>2</td>
<td>Memory sockets with DIMMs installed</td>
</tr>
<tr>
<td>3</td>
<td>LOM card socket</td>
</tr>
<tr>
<td>4</td>
<td>CPU 0</td>
</tr>
<tr>
<td>5</td>
<td>CPU 1</td>
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</tbody>
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21400 Appliance

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</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 heatsink fin and bracket, that can cause injury and 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.
4. Insert the bottom tray in the appliance.
   a) Move the bottom tray into the appliance until it clicks into position.
   b) Tighten the two retaining screws for the bottom tray.

5. Make sure the LOM card is installed correctly.
   a) Connect the power cords to the appliance.
   b) Turn on the appliance using the power switch at the rear of the appliance.
   c) Use an Ethernet cable to connect the LOM port to a computer.
      Make sure the LOM port link LEDs are on.

**Initial LOM Login**

To log in to the LOM WebUI:

1. Open a web browser and enter the default IP address of the LOM card:
   192.168.0.100.
   The login window opens.

2. Enter the default User name (admin) and password (admin).
Attaching the Upgrade Kit Sticker

After you install the new upgrade component, attach the upgrade kit sticker on the appliance.

⚠️ Important - Failure to attach the upgrade kit sticker correctly will void the appliance warranty.

To attach the new upgrade kit sticker:
1. Make sure that the appliance operates correctly.
2. Attach the new upgrade kit sticker to the side of the appliance.
3. Clearly mark this information on the sticker:
   - Upgraded component on the appliance
   - Year and month of upgrade

Sample Upgrade Kit Sticker

[Image of sample sticker with options for RAM upgrade and LOM Card]
Removing the LOM Card

Make sure that you prepare the appliance before you remove the LOM card. See Preparing the Appliance (on page 1).

To remove the LOM card:

1. Find the LOM card.
2. Pull the socket locking levers OUT (away from the card edges).
3. Lift the rear of the card up and away from the system board.
4. Insert the bottom tray in the appliance.
   a) Move the bottom tray into the appliance until it clicks into position.
   b) Tighten the two retaining screws for the bottom tray.
5. Make sure the appliance starts correctly.
   a) Connect the power cords to the appliance.
   b) Turn on the appliance using the power switch at the rear of the appliance.
   c) Make sure that the LCD screen shows the appliance model.