Installing the Telescoping Rails

You can install these Security Management Appliances in a rack with the Telescoping Rails hardware:

- Smart-1 525
- Smart-1 5050

General Requirements for Racks

Check Point 1U Security Management Appliances are designed for a standard 19-inch (48.26 cm) rack (see specification EIA-310-D). The telescoping rails can be used with racks that have round holes, square holes, or threaded holes. The telescoping rails are designed for racks with these specifications:

<table>
<thead>
<tr>
<th>Rack Holes</th>
<th>Minimum Depth</th>
<th>Maximum Depth</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round</td>
<td>617 mm</td>
<td>861 mm</td>
<td>CPAC-RAILS-SM525/5050</td>
</tr>
<tr>
<td>Square</td>
<td>631 mm</td>
<td>868 mm</td>
<td></td>
</tr>
<tr>
<td>Threaded</td>
<td>631 mm</td>
<td>883 mm</td>
<td></td>
</tr>
</tbody>
</table>

Front and rear rack doors must have equally distributed holes on at least 65% of the surface area to give sufficient airflow. Make sure that the racks have sufficient clearance to service the Check Point Security Management Appliances that are mounted on telescoping rails.

<table>
<thead>
<tr>
<th>Rack Side</th>
<th>Clearance Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>36 in (91.4 cm) plus additional clearance, if necessary, for the mechanical lift used to move the Security Management Appliance and rails equipment.</td>
</tr>
<tr>
<td>Rack Side</td>
<td>Clearance Requirement</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Rear</td>
<td>16 in (40.6 cm) from the rear of the rack or Security Management Appliance without the rear cabinet door. 22 in (55.9 cm) from the rear of the rack or Security Management Appliance with the rear cabinet door.</td>
</tr>
</tbody>
</table>

### Security Management Appliance Physical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart-1 525</td>
<td>434 mm</td>
<td>639.3 mm</td>
<td>42.8 mm (1U)</td>
</tr>
<tr>
<td>Smart-1 5050</td>
<td>434 mm</td>
<td>744.67 mm</td>
<td>42.8 mm (1U)</td>
</tr>
</tbody>
</table>

### Identifying the Rail Kit Contents

Locate the components for installing the rail kit assembly:

- Two rail assemblies in a carton labeled *1U, A7 Telescoping Rails* (1)
- Two hook-and-loop straps (2)
Installing and Removing Tool-less Rails

The rails are suitable for both square or round hole racks.

To install the rails:

1. Position the left and right rail end pieces labeled FRONT facing inward and orient each end piece to seat in the holes on the front side of the vertical rack flanges (1).
2. Align each end piece in the bottom and top holes of the desired U spaces (2).
3. Engage the back end of the rail until it fully seats on the vertical rack flange and the latch clicks into place.
4. Repeat these steps to position and seat the front end piece on the vertical rack flange (3).

To remove the rails:

Pull the latch release button on the end piece midpoint and unseat each rail (4).
Installing and Removing Tooled Rails

This procedure applies to threaded hole racks. Make sure you have two pairs of screws suitable for your rack.

To install tooled rails:

1. Remove the pins from the front and rear mounting brackets using a flat-tipped screwdriver (1).
2. Pull and rotate the rail latch subassemblies to remove them from the mounting brackets (2).
3. Attach the left and right mounting rails to the front vertical rack flanges using two pairs of screws (3).
4. Slide the left and right back brackets forward against the rear vertical rack flanges and attach them using two pairs of screws (4).
Installing the Security Management Appliance in the Rack

⚠️ **Important** - We recommend that at least two people install the Security Management Appliance in a rack to prevent injury, or damage to it.

To install the Security Management Appliance in the rack:

1. Pull the inner slide rails out of the rack until they lock into place (1).
2. Locate the rear rail standoff on each side of the Security Management Appliance and lower them into the rear J-slots on the slide assemblies (2).
3. Rotate the Security Management Appliance downward until all the rail standoffs are seated in the J-slots (3).
4. Press the slide-release lock buttons on both rails and slide the Security Management Appliance into the rack (4).
5. Push the Security Management Appliance inward until the lock levers click into place.
Removing the Security Management Appliance from the Rack

⚠️ **Important** - We recommend that at least two people remove the Security Management Appliance from the rack to prevent injury, or damage to it.

To remove the Security Management Appliance from the rack:

1. Locate the lock levers on the sides of the inner rails (1).
2. Unlock each lever by rotating it up to its release position (2).
3. Grasp the sides of the Security Management Appliance firmly and pull it forward until the rail standoffs are at the front of the J-slots.
4. Lift the Security Management Appliance up and away from the rack and place it on a level surface (3).
Engaging and Releasing the Slam Latch

For Security Management Appliances not equipped with slam latches, secure the appliance using screws, as described in step 3 of this procedure.

To engage and release the slam latch:

1. Facing the front, locate the slam latch on either side of the Security Management Appliance (1).

2. The latches engage automatically as the Security Management Appliance is pushed into the rack and are released by pulling up on the latches (2).

3. To secure the Security Management Appliance for shipment in the rack or for other unstable environments, locate the hard-mount screw under each latch and tighten each screw with a #2 Phillips screwdriver (3).
Routing the Cables

Use the two hook-and-loop straps provided in the rail kit to route the cables at the back of your Security Management Appliance.