IPC-6520
Universal Rackmount Monitor Kit
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Acknowledgments

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Section 1. General Information

1.1. Introduction
The IPC-6520 is a universal monitor mounting kit for use in conjunction with a standard EIA RS-310C 19" industrial rack. Its rugged design accommodates most 14” monitors. Simply adjust the retainers and hold-down brackets to fit your monitor inside the IPC-6520, install the unit in your rack and your system is ready to go.

This rugged IPC solution has a hinged front panel with a protective Lexan antiglare screen. The rear of the IPC-6520 is open for easy access to power and video cables. A hold-down retainer provides protection against the shock and vibration found in industrial environments.

Combine this flexible rackmount monitor kit with the PCA-6570 14” touchscreen kit and IPC-610 industrial PC chassis, and you will have a truly high-performance industrial system.

1.2. Specifications
- **Construction material:** Zinc-plated heavy-duty steel
- **Mounting:** Fits standard 19" rack mounting standard
- **Dimensions (assembled):** 19" (W) x 18.6" (D) x 14" (H)
  - (482 mm x 471 mm x 354 mm)
- **Shipping size, disassembled:** 22.8" (W) x 21.7" (D) x 5.0" (H)
  - (579 mm x 551 mm x 126 mm)
- **Color:** Light gray, matches the IPC-610
- **Weight:** 33 lbs (15 kg)

Section 2. Installation

This chapter covers the necessary instructions and illustrations for the easily installation of the IPC-6520 and your monitor into a 19" industrial rack.

2.1. Monitor dimensions
Before you begin assembling the IPC-6520, you should first determine your monitor’s dimensions so that you can configure the size of the enclosure. The table below shows the monitor dimensions that the enclosure can accommodate. These dimensions are listed as minimum and maximum values in height, length, and width.

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>213 mm (8.39&quot;)</td>
<td>332 mm (13.07&quot;)</td>
</tr>
<tr>
<td>H2</td>
<td>198 mm (7.80&quot;)</td>
<td>316 mm (12.44&quot;)</td>
</tr>
<tr>
<td>H3</td>
<td>183 mm (7.20&quot;)</td>
<td>316 mm (12.44&quot;)</td>
</tr>
<tr>
<td>W</td>
<td>-</td>
<td>406 mm (15.98&quot;)</td>
</tr>
<tr>
<td>h</td>
<td>-</td>
<td>178 mm (7.00&quot;)</td>
</tr>
</tbody>
</table>
The following diagram shows the IPC-6520's dimensions:

**Unit = mm**

![Diagram showing dimensions of IPC-6520 enclosure](image)

**Figure 2-1. Accommodating the enclosure’s monitor**
2.2. Assembling the front panel screen

Use the hardware that has been provided to assemble the front panel screen as shown in the diagram below.

![Front panel screen assembly diagram](image)

**Figure 2-2. Front panel screen assembly**

2.3. Hinge assembly

The IPC-6520’s front panel screen can be opened and closed using two hinges that are attached to the base of the enclosure. These hinges will fit around the hinge posts that are attached to the front panel screen in Section 2.2. The illustration below shows how to attach these hinges.

![Hinge assembly diagram](image)

**Figure 2-3. Hinge assembly**
2.4. **Left and right panel assembly**

Attach the IPC-6520’s left and right panels to the base of the enclosure. The illustration below shows all the necessary hardware, and illustrates how to attach these panels.

![Figure 2-4. Left and right panel assembly](image)

2.5. **Support braces**

The illustration below shows how to attach the IPC-6520’s support braces to the left and right panels.

![Figure 2-5. Support braces](image)
2.6. Attaching the front panel screen

Attach the IPC-6520’s front panel screen assembly to the enclosure according to the illustration shown below.

![Figure 2-6. Attaching the front panel screen assembly](image)

2.7. Attaching the mounting brackets

The IPC-6520 can be mounted into a 19" rack using two mounting brackets that are attached to the right and left sides of the enclosure. Also, be sure to attach the chains from the front panel assembly to the sides of the unit as shown below. The following diagram illustrates where and how to mount these brackets.

![Figure 2-7. Attaching the mounting brackets](image)
2.8. Attaching the monitor's retainers

The IPC-6520 uses four retainers to keep your monitor in a stable position inside the enclosure. The first illustration (Figure 2-8a) shows the position of the two bottom retainers, and Figure 2-8b shows the position of the other retainers. We suggest you attach these last two retainers after you have installed your monitor. They can be adjusted according to your monitor’s dimensions (see Section 2.1.).
2.9. Attaching the top panel

After you have installed your monitor, attach the IPC-6520’s top panel to the enclosure. The following illustration shows how this is done.

![Figure 2-9. Attaching the top panel](image)

2.10. The final assembly

After completing all of the above procedures, your IPC-6520 rack mount monitor should look exactly like the one shown in the following illustration.

Installing the IPC-6520 into your 19” rack is easy. Just slide the enclosure into the rack, and fasten its mounting brackets with the screws provided.

![Figure 2-10. The final assembly](image)
Section 3. Touch Screen Installation

The IPC-6520 is ideally suited for installing a touch screen into its front panel. A touch screen is an interface that allows you to access information about your application directly from your monitor's screen instead of having to use your computer's keyboard. This section will assist you in installing your touch screen (if you have one) into the IPC-6520. For information about installing the touch screen’s interface into your PC, please refer to your touch screen user’s manual.

3.1. Removing the IPC-6520’s screen

Before installing your touch screen, you must first remove the IPC-6520’s Lexan screen from its front panel. Figure 3-1 shows how this is done. After removing the screen, it is recommended that you store it in an appropriate place so that it does not get damaged. You may want to use it later.

3.2. Installing the touch screen

After you have read through your touch screen manual and have installed the interface, replace the IPC-6520’s Lexan screen with your new touch screen. Figure 3-2 (below) shows how this is done.
Appendix A. Parts List

This appendix shows and describes each of the IPC-6520’s components. If you need extra or spare parts for this kit, refer to this appendix and contact your local dealer for ordering assistance.

Figure A-1. IPC-6520’s components