RS9 CPU Card Replacement

Introduction

These instructions explain how to replace the CPU card in the PowerStation RS9 or the RSPC9 Industrial PC. They include steps for disassembling the unit, removing the old CPU card, installing a new card, and reassembling the unit.

Warning   For safety reasons, the unit should be opened only by qualified service personnel.

Warning   Be sure to observe electrostatic discharge (ESD) precautions while working inside the unit.

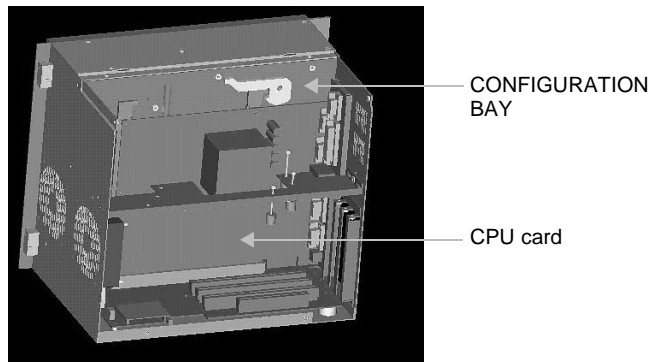**To complete this procedure, you will need the following items:**

- CPU Board Replacement Kit CPU-9000
- Phillips-head screwdriver

Disassembling the Unit

To disassemble the unit, follow these steps:

1. Turn off the system.
2. Disconnect the unit from the power source.
3. Disconnect all cables attached to the unit.
4. Remove the unit from its mounted location by lifting the unit up and off its mounting screws.
5. Place the unit on a static dissipative mat, in a location free from dirt and moisture and protected against static discharge.
6. Remove the four retaining screws holding the back cover onto the unit.
7. Slide the back cover off the unit, exposing the configuration bay and the CPU card, as shown in Figure 1 on page 2.
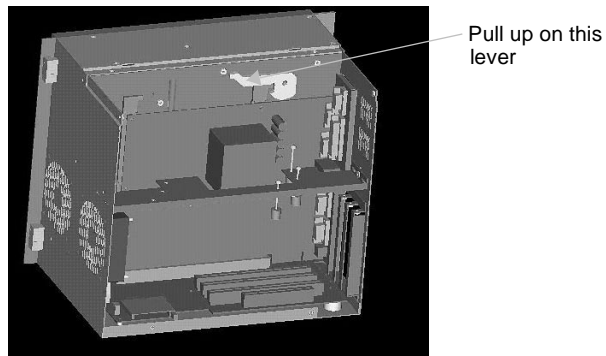
Figure 1: Configuration Bay

Removing the Old CPU Card

To remove the previously installed CPU card, follow these steps:

1. Pull up on the lever connected to the top of the CPU card, as shown in Figure 2.

    Figure 2: CPU Card Lever

    The CPU card should lift out of its socket on the riser card.

2. Grasp the CPU card and lift it all the way out of the unit.

Installing the New CPU Card

To install the new CPU card, follow these steps:

1. Slide the new CPU card into the unit.

   • Slide the plastic supports on the back of the card into the metal brackets on the back wall of the configuration bay.

   • Fit the hook on the riser lever underneath the top of the support on the back of the CPU card.

   • Guide the bottom of the CPU card into its socket on the riser card.

2. When the CPU card is inserted into its socket, push the card down until it is firmly seated in the socket.

   Important   Make sure that the card is inserted into the socket as far as it will go. The riser lever should lie horizontal and flush against the top of the bracket, as shown in the illustration above.

Reassembling the Unit

To reassemble the unit, follow these steps:

1. Fit the two tabs in the top of the back cover into the two slots at the top of the configuration bay, and slide the back cover onto the unit.

2. Fasten the back cover onto the unit by replacing the four retaining screws that you removed in step 6 on page 1.

3. Reinstall the unit in its mounted location.

4. Reconnect power and other cables to the unit.

5. Reconnect the unit to the power source.

Your CPU card replacement is complete. You may now restart the system.