

PCI Adapter for use with PanelMate ePro PS

Catalog Number: 76PCI

Introduction

The PCI Adapter is designed for use with the PanelMate ePro PS family of operator interface products. The PCI Adapter allows you to use a PCI circuit board with the PanelMate ePro PS products.

The PCI Adapter can be used with the 12" display models (7685T-12 series), 15" display models (7685T-15 series) and Blind Node models (7600 series). The 8" display models (7685T-8 series) do not support this option.

This PCI Adapter Kit includes the following items:

- 1 PCI Adapter "clam shell" housing (consists of 2 metal pieces)
- 1 PCI Riser circuit board
- 13 6-32 x 1/4 screws

Caution: Electrostatic Discharge (ESD) can damage static-sensitive electronic components. You should perform these procedures only at an ESD workstation.

If an ESD workstation is not available, you can provide some protection by wearing an anti-static wrist strap and attaching it to a metal part of the system chassis.

Required Tools: Phillips screwdriver—size P2

Attaching the PCI Riser circuit board to the PCI Adapter housing

The first step is to attach the PCI Riser circuit board to the PCI Adapter housing.

1. Insert the PCI Riser circuit board into the metal housing part that has 2 rectangular openings. Slide the gold fingers through the bottom opening as shown in Figure 1.
2. Secure the PCI Riser circuit board to the metal housing using four screws (inserted from the outside of the metal housing).

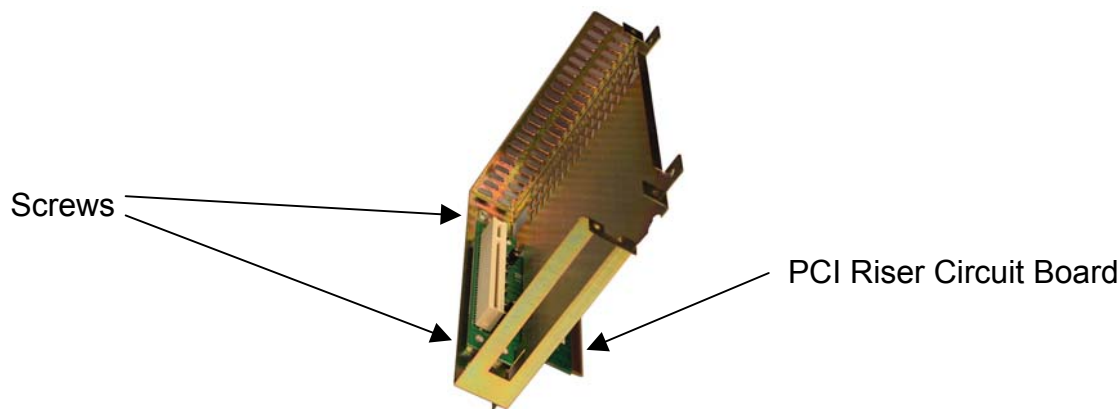


Figure 1: PCI Riser Circuit Board Installation

Installing a PCI circuit board

A PCI circuit board can be installed while the PCI Adapter is either separated from the back of the ePro PS or while it is mounted to the back of the unit. If the PCI Adapter is mounted to the back of the unit, ensure that power is disconnected before removing the PCI Adapter housing top.

1. Align the PCI circuit board connectors with the opening of the PCI Adapter housing. Gently rock the PCI circuit board gold fingers into the PCI Riser circuit board connector to ensure a good connection.
2. Secure the PCI circuit board in place with a screw.

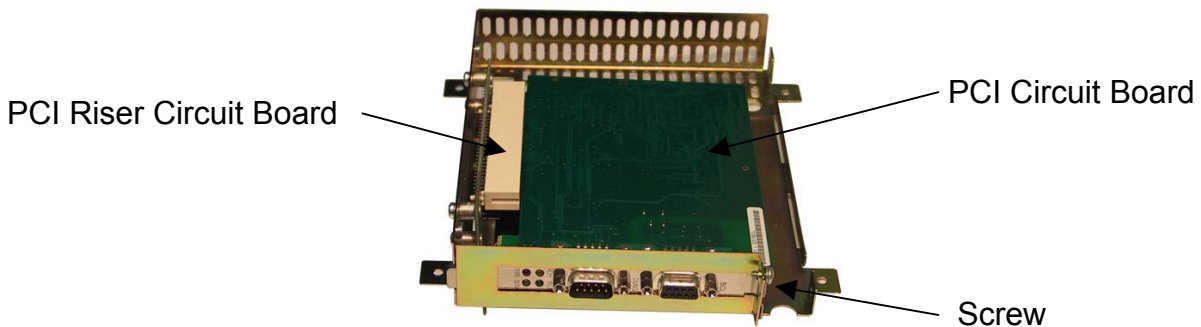


Figure 2: PCI Circuit Board Installed in PCI Adapter

Installing the top to the PCI Adapter housing

After installing a PCI circuit board into the PCI Adapter housing it is necessary to attach the second half of the PCI Adapter housing.

1. Align the two metal tabs with screw holes over the outside of the bottom half of the PCI Adapter housing.
2. Gently press down on the top making sure that the 2 alignment tabs on the opposite side of the housing slide into the slots. The screw holes should align on all four corners.
3. Secure the two halves using 4 screws.

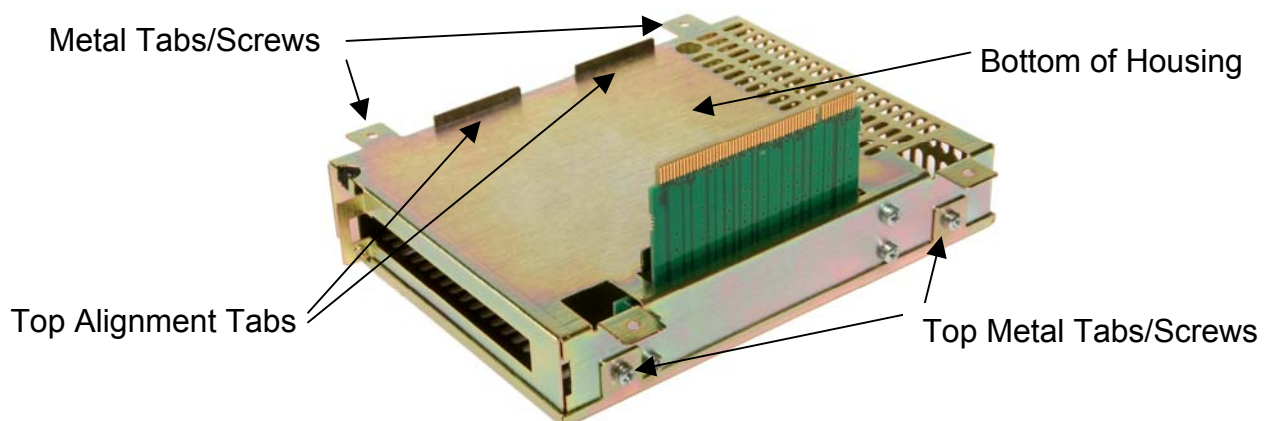


Figure 3: Assembled PCI Adapter

Installing the PCI Adapter on a PanelMate ePro PS unit

To Install the PCI Adapter, follow these steps:

1. Disconnect power from the target PanelMate ePro PS unit.
2. Remove the cover plate that protects the PCI Adapter connector at the back of the PanelMate ePro PS unit by removing the 2 screws. Store the cover plate and screws in a safe place for future use.
3. Insert the PCI Riser circuit board into the PCI Adapter connector being careful to line up the 2 tabs on the PCI Adapter housing with the slots on the back of the unit.
4. Use 4 screws to secure the PCI Adapter to the back of the unit.

Note: PCI circuit boards can be removed and installed while the PCI Adapter is mounted on the back of the unit. Ensure that power is disconnected before opening or removing the PCI Adapter.

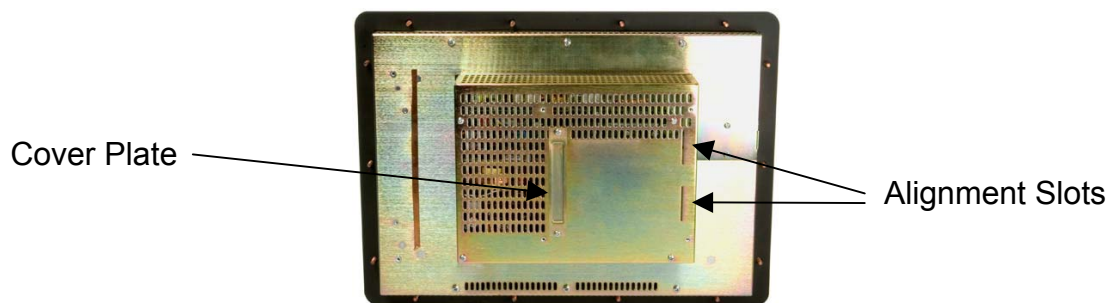


Figure 4: Back of PanelMate ePro PS Unit

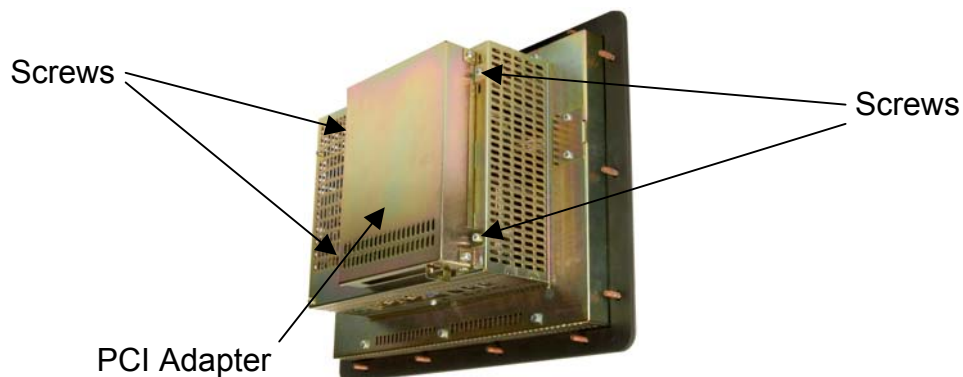


Figure 5: Back of PanelMate ePro PS Unit with PCI Adapter Installed

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