

Installing and Upgrading iDOT Explora Hardware

This chapter provides instructions for changing or upgrading iDOT Explora system hardware.

Warning

Static electricity can damage integrated circuits. Before handling any computer component outside its protective packaging, use one of these methods to discharge static electricity in your body:

- *Before you handle computer components or install any upgrades, touch a metal part of the computer's chassis. When you work with components or upgrades, touch the chassis frequently to eliminate static buildup.*

or

- *Wear a static wrist strap that is connected to a natural earth ground.*

Do not handle add-on cards by their "gold finger" connectors. Fingers have oils and other contaminants that can prevent connectors from making an electrical connection, which may cause errors or other malfunctions. Handle all system components by their mounting brackets or other edges.

Removing the chassis cover

1. Shut down the computer and all peripheral devices connected to the computer.
2. Disconnect the keyboard, mouse, and any other peripheral devices connected to the computer.
3. Disconnect the power cord from the back of the computer.
4. On the back of the computer, remove the three chassis cover screws.



5. Slide the chassis cover back and pull it up and off the chassis.



Installing expansion cards

Caution

Shut down the computer and disconnect the power cord before you install or remove any computer components or devices.

Observe static electricity precautions. See the warnings on page 17.

1. Remove the chassis cover as described in “Removing the chassis cover” on page 18.
2. Select an empty expansion slot.
3. Remove the expansion slot cover:



Place the head of a flathead screwdriver into the small slot in the middle of the expansion slot cover.

Push the screwdriver gently until the slot cover loosens.

Reach inside and carefully move the slot cover back and forth until it breaks free.

4. Holding the edge of the expansion card, carefully align the edge connector with the expansion slot.



5. Push the card firmly into the slot by pushing down on one end of the card, then the other. Use this rocking motion until the card is firmly seated in the slot.
6. Secure the card to the chassis by tightening the screw on the card's retaining bracket.
7. Make sure the card has been placed evenly and completely into the expansion slot.

Installing and removing RAM

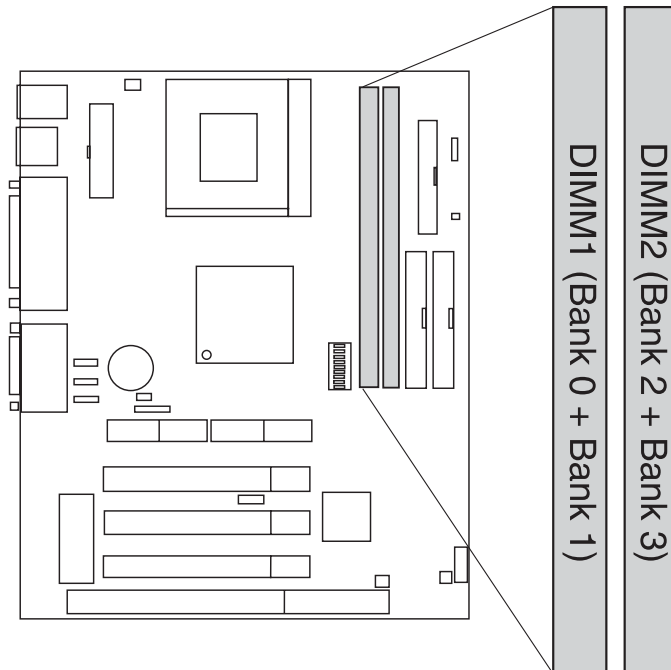
Each iDOT Explora motherboard features two DIMM slots that support up to 512 MB total memory, utilizing 3.3V PC100-compliant SDRAM modules ranging from 8 MB to 256 MB. You can install SDRAM modules in any DIMM bank, in any combination — no memory configuration table is necessary.

The iDOT Explora uses one of two motherboard designs, depending on what processor you ordered with your system.

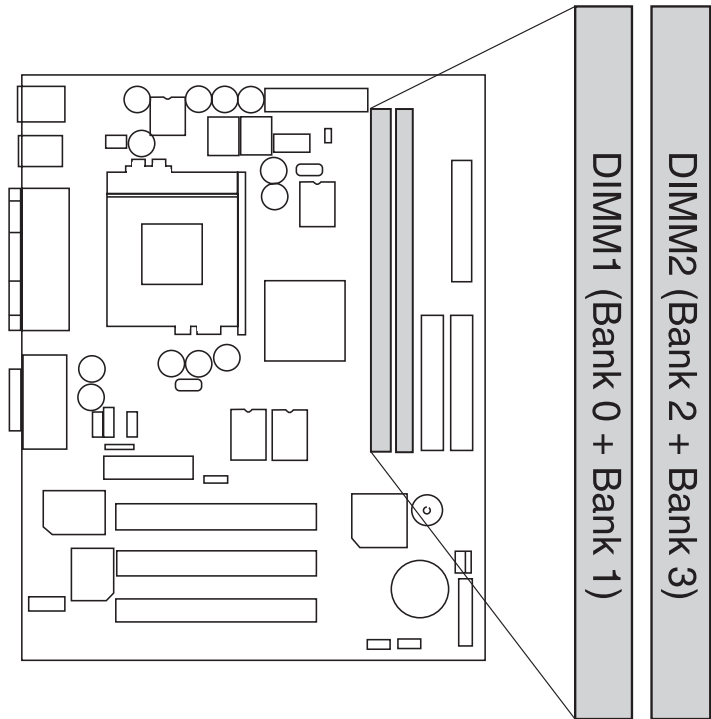
If your iDOT Explora includes a Cyrix® MII™ processor, an AMD® K6-2® processor, or an AMD K6-III® processor, refer to the illustration on this page.

If your motherboard uses the Intel® Celeron® processor, refer to the illustration on page 23.

*motherboard for
Cyrix MII,
AMD K6-2 ,
or AMD K6-III
processors*



*motherboard for Intel
Celeron processor*



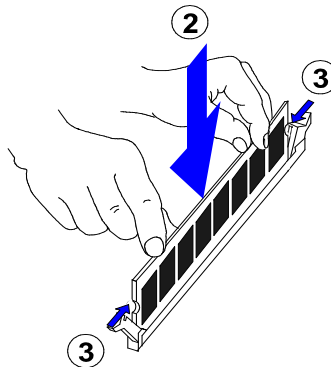
Installing DIMMs

Caution

Shut down the computer and disconnect the power cord before you install or remove any computer components or devices.

Observe static electricity precautions. See the warnings on page 17.

1. Locate the DIMM slots on the mainboard. (See page 22.)
2. Use both hands to press the DIMM straight down into the DIMM socket.



3. When the DIMM is properly seated, the clips of the socket snap in place to hold the DIMM on either side.

Removing DIMMs

1. Gently press down both clips on each side of the DIMM to release the DIMM.
2. Pull the DIMM upward to remove it from the socket.