

# Replacing the 802.11 Mini PCI card

This package includes a replacement 802.11 Mini PCI card for your Gateway notebook and these printed instructions.

## Tools you need

You will need a small Phillips screwdriver to replace the 802.11 Mini PCI card.

## Preventing static electricity discharge

The components inside your notebook are extremely sensitive to static electricity, also known as *electrostatic discharge* (ESD).

### Caution



ESD can permanently damage electrostatic discharge sensitive components in your notebook. Prevent ESD damage by following ESD guidelines every time you open your notebook case.

### Warning



To avoid exposure to dangerous electrical voltages and moving parts, turn off your notebook, remove the battery, and unplug the power cord and modem cable before opening the case.

Before replacing the 802.11 Mini PCI card, follow these guidelines:

- Turn off your notebook power.
- Remove the battery(ies) and unplug the power cord.
- Disconnect all peripheral devices and remove any PC Cards.
- Wear a grounding wrist strap (available at most electronics stores) and attach it to a bare metal part of your workbench or other grounded connection.
- Touch a bare metal surface on your workbench or other grounded object.
- Avoid static-causing surfaces such as carpeted floors, plastic, and packing foam.
- Remove components from their antistatic bags only when you are ready to use them. Do not lay components on the outside of antistatic bags because only the inside of the bags provide electrostatic protection.

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- Always hold mini PCI cards by their edges, but avoid touching the edge connectors and components on the cards.
- Never slide any component over any surface.

**Warning**



To prevent risk of electric shock, do not insert any object into the vent holes of your notebook.

## Replacing the card



### To replace the 802.11 Mini PCI card:

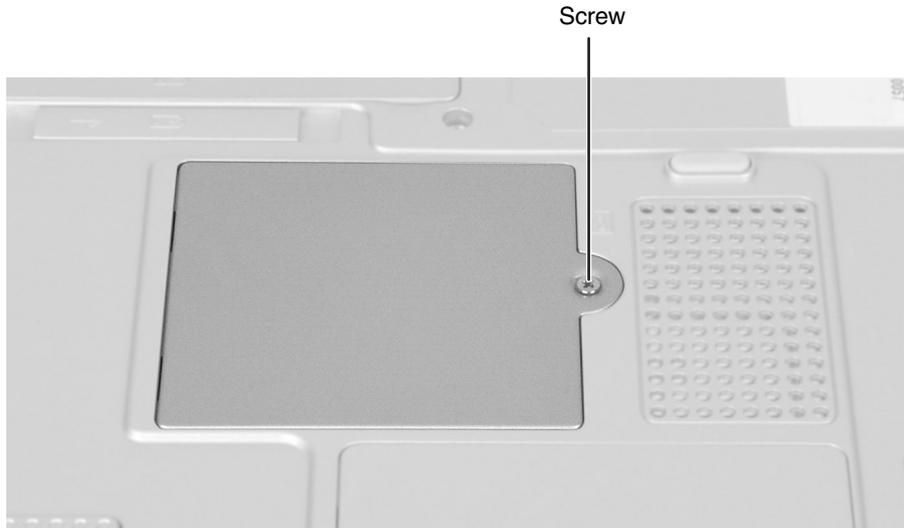
- 1** Follow the guidelines under “Preventing static electricity discharge” on page 1.
- 2** Turn your notebook over so that the bottom is facing up.
- 3** Locate the Mini PCI bay. This bay may have:
  - The Mini PCI logo  printed on the cover
  - The words Mini PCI printed on the cover

**Important**

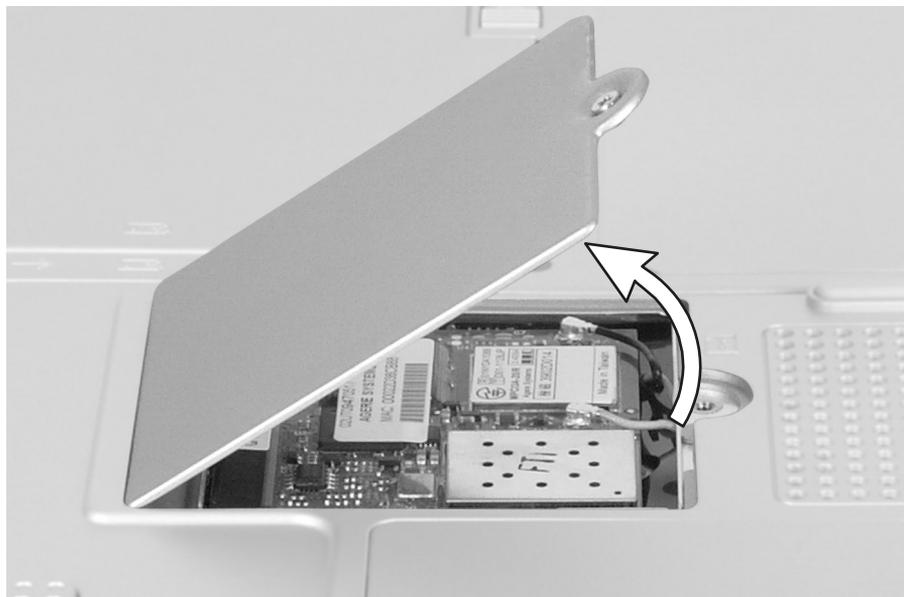


If the Mini PCI bay is not labeled on your notebook, see “Bottom” in chapter 1 of your user guide for the location of the bay.

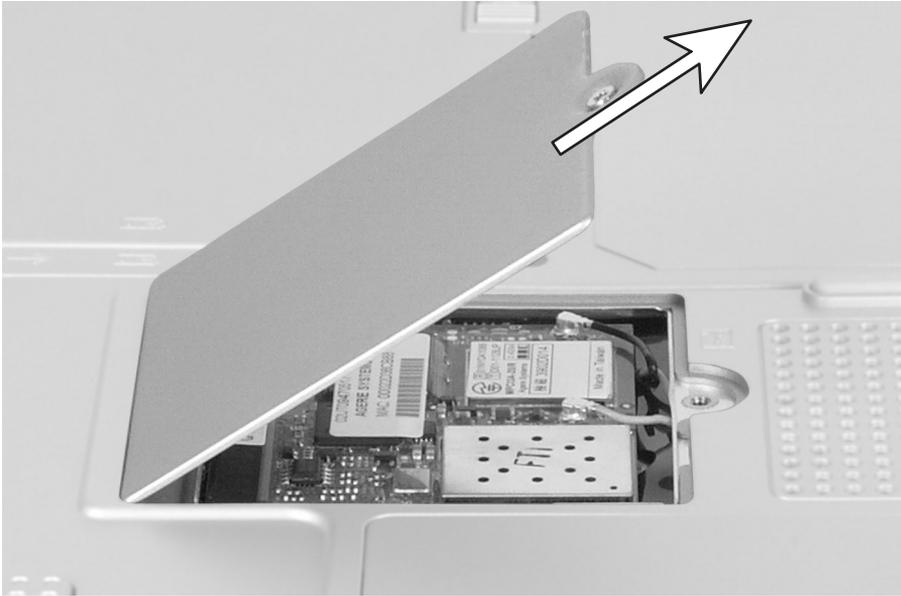
- 4 Loosen the screw that secures the Mini PCI cover. (The screw may be captive, which means that it may not be removed.)



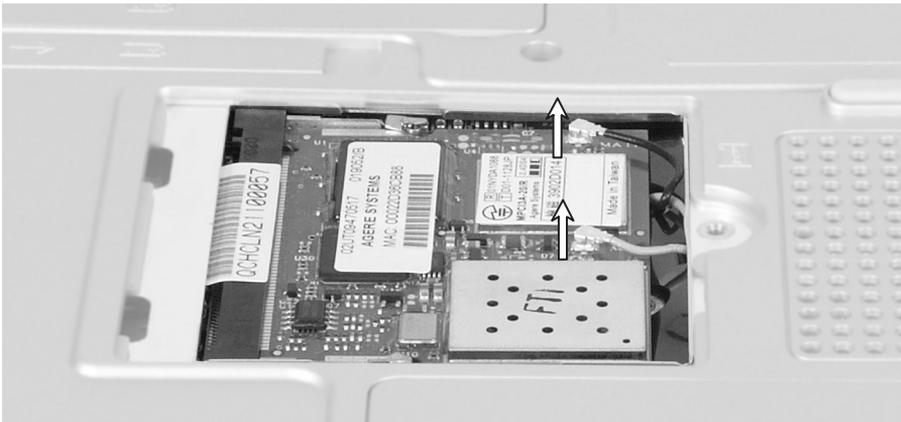
- 5 Tilt the screw side of the cover upward.



6 Slide the cover out.



7 Unplug the two antenna cables, noting which cable is attached to the connector labeled *Main* and which cable is attached to the connector labeled *Aux*.

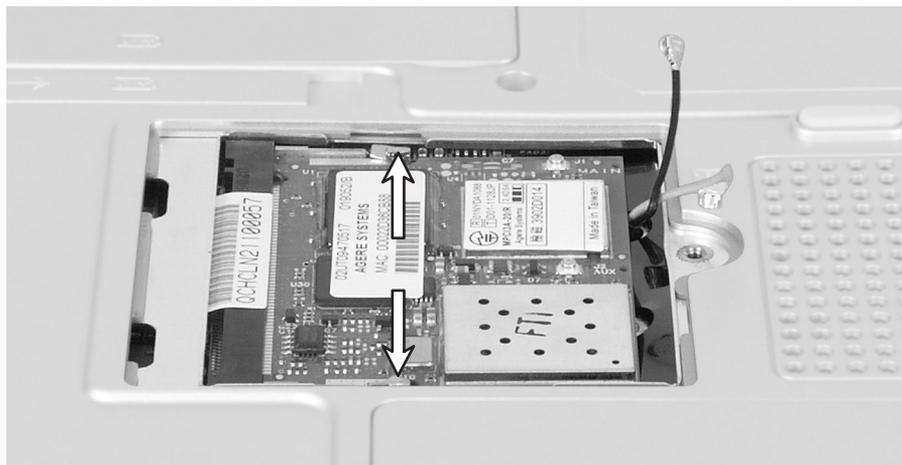


**Tips & Tricks**

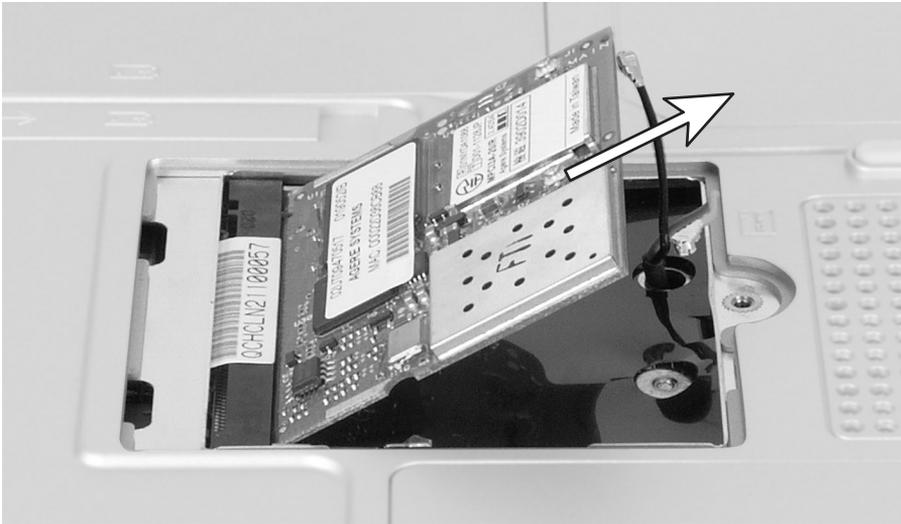


On some Gateway notebook models, the black wire is attached to the Main connector and the grey wire is attached to the Aux connector. On other Gateway notebook models, the wires have been labeled Main and Aux. If the wires are not color coded or labeled on your notebook, we suggest marking the wire connected to the Main connector with a piece of tape.

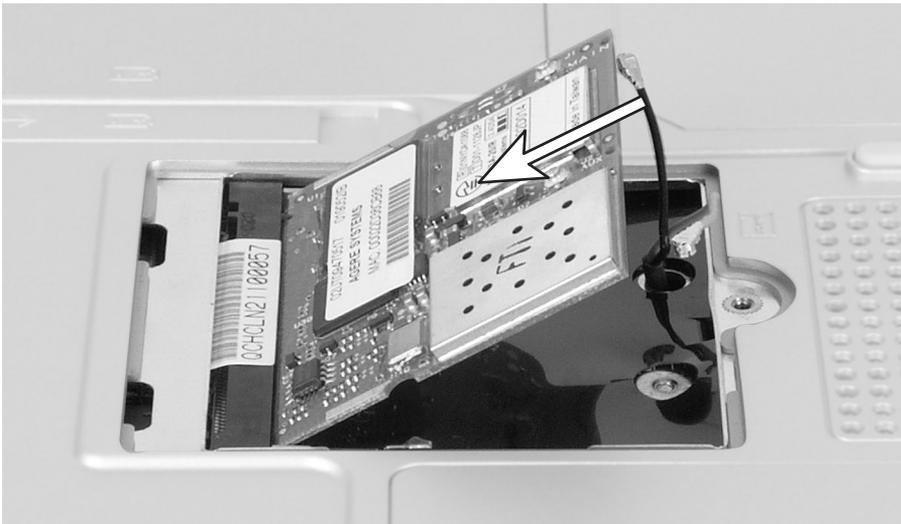
- 8 Press outward on the clips at both sides of the Mini-PCI card until the card tilts upward.



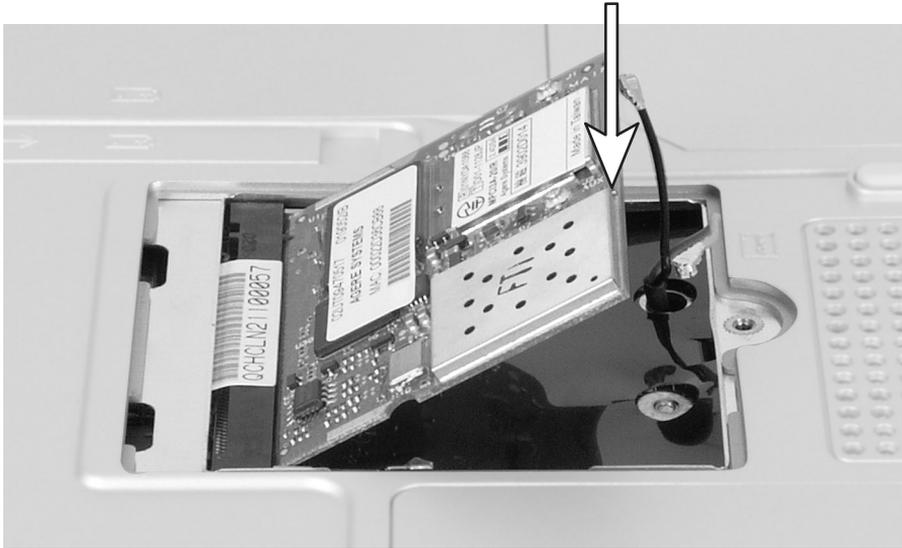
- 9** Pull the card out of the slot.



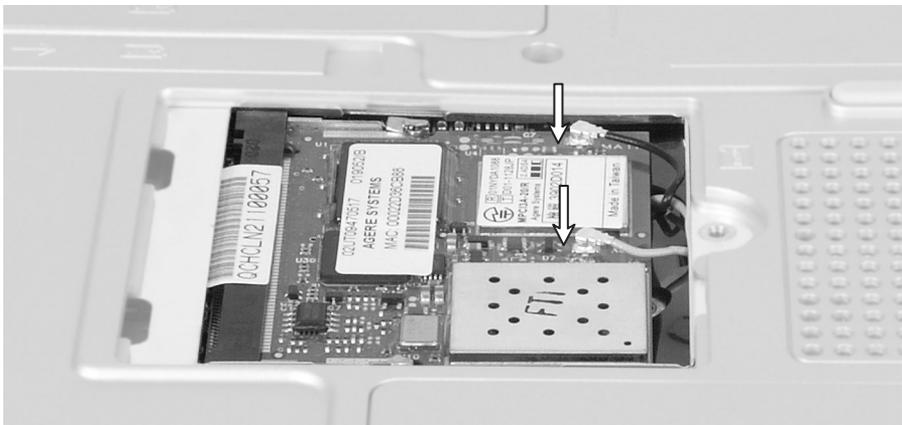
- 10** Hold the new card at a 30-degree angle and press it into the empty slot. This card is keyed so that it can only be inserted in one direction. If the card does not fit, make sure the notch in the card lines up with the tab in the card slot.



- 11** Press the module down until it clicks into place.



- 12** Reattach the antenna cables to the card connectors.



- 13** Replace the Mini PCI cover, then tighten the screw.



# Technical Support

Refer to your user's guide for Gateway Technical Support information.

# Safety, Regulatory, and Legal Information

Refer to your user's guide for important safety, regulatory, and legal information.

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