

# External Media Cards

## User Guide

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#### **Product notice**

This user guide describes features that are  
common to most models. Some features  
may not be available on your computer.

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# 1 Using Media Card Reader cards

Optional digital cards provide secure data storage and convenient data sharing. These cards are often used with digital media–equipped cameras and PDAs as well as with other computers.

The Media Card Reader supports the following digital card formats:

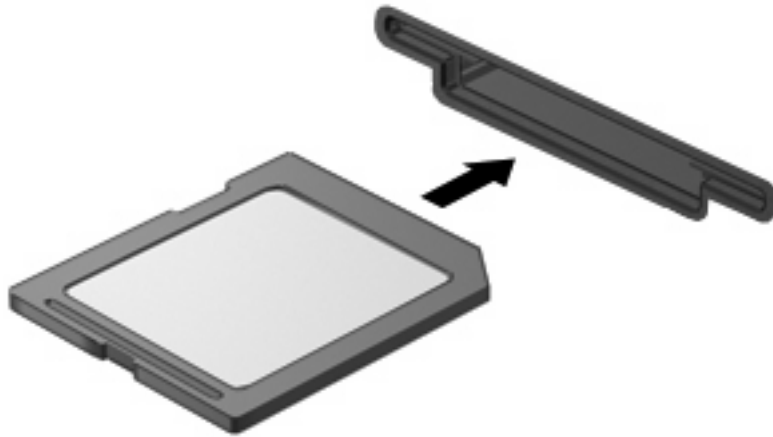
- Memory Stick (MS)
- Memory Stick Pro (MSP)
- MultiMediaCard (MMC)
- Secure Digital Input/Output (SD I/O)
- Secure Digital (SD) Memory Card
- xD-Picture Card (XD)
- xD-Picture Card (XD) Type H
- xD-Picture Card (XD) Type M

## Inserting a digital card

△ **CAUTION:** To prevent damage to the computer and the digital card, do not insert any type of adapter into the Media Card Reader.

**CAUTION:** To prevent damage to the digital card connectors, use minimal force to insert a digital card.

1. Hold the digital card label-side up, with the connectors facing the computer.
2. Insert the card into the Media Card Reader, and then push in on the card until it is firmly seated.



When you insert a digital card, you will hear a sound when the device has been detected, and a menu of available options may be displayed.

# Removing a digital card

△ **CAUTION:** To prevent loss of data or an unresponsive system, use the following procedure to safely remove the digital card.

Save your information and close all programs associated with the digital card.

📝 **NOTE:** To stop a data transfer, click **Cancel** in the operating system Copying window.

To remove a digital card:

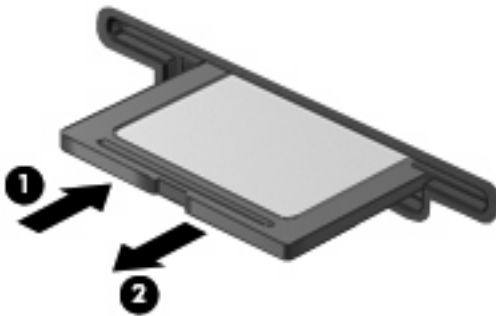
1. Click the **Safely Remove Hardware and Eject Media** icon in the notification area, at the far right of the taskbar.

📝 **NOTE:** To display the Safely Remove Hardware and Eject Media icon, click the **Show hidden icons** icon (the arrow at the left side of the notification area).

2. Click the name of the digital card in the list.

📝 **NOTE:** You are informed that it is safe to remove the hardware device.


3. Eject the digital card by pressing in on the digital card (1), and then removing the card from the slot (2).



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## 2 Using smart cards

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 **NOTE:** The term *smart card* is used throughout this chapter to refer to both smart cards and Java™ Cards.

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A smart card is a credit card–sized accessory that carries a microchip containing memory and a microprocessor. Like personal computers, smart cards have an operating system to manage input and output, and they include security features to protect against tampering. Industry-standard smart cards are used with the smart card reader.

A personal identification number (PIN) is needed to gain access to the contents of the microchip. For more information about smart card security features, refer to Help and Support.

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 **NOTE:** Your computer may look slightly different from the illustrations in this chapter.

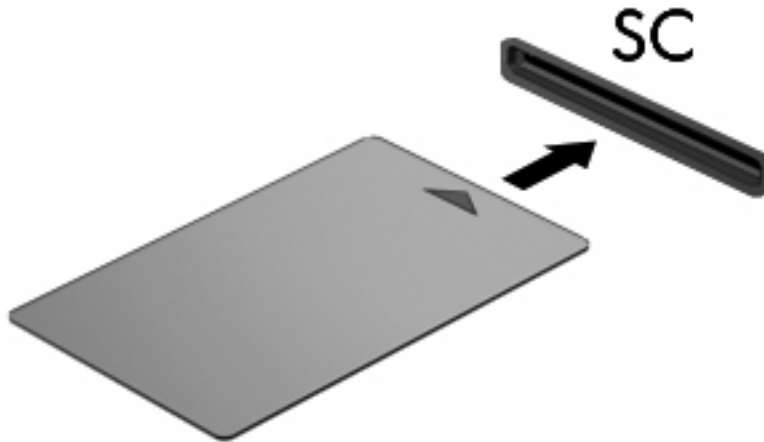
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## Inserting a smart card

To insert a smart card:

1. Holding the smart card label-side up, gently slide the card into the smart card reader until the card is seated.

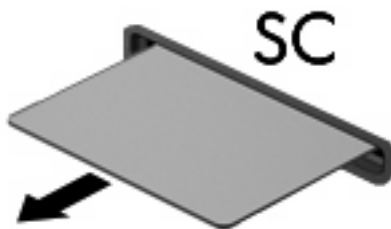


2. Follow the on-screen instructions for logging on to the computer using the smart card PIN.

## Removing a smart card

To remove a smart card:

- ▲ Grasp the edge of the smart card, and pull it out of the smart card reader.



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## 3 Using ExpressCards

An ExpressCard is a high-performance PC Card that is inserted into the ExpressCard slot.

Like standard PC Cards, ExpressCards are designed to conform to the standard specifications of the Personal Computer Memory Card International Association (PCMCIA).

### Configuring an ExpressCard

Install only the software required for your device. If you are instructed by the ExpressCard manufacturer to install device drivers:

- Install only the device drivers for your operating system.
- Do not install other software, such as card services, socket services, or enablers, supplied by the ExpressCard manufacturer.

# Inserting an ExpressCard

△ **CAUTION:** To prevent damage to the computer and external media cards, do not insert a PC Card into an ExpressCard slot.

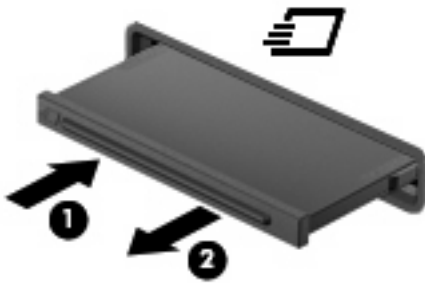
**CAUTION:** To prevent damage to the connectors:

Use minimal force when inserting an ExpressCard.

Do not move or transport the computer when an ExpressCard is in use.

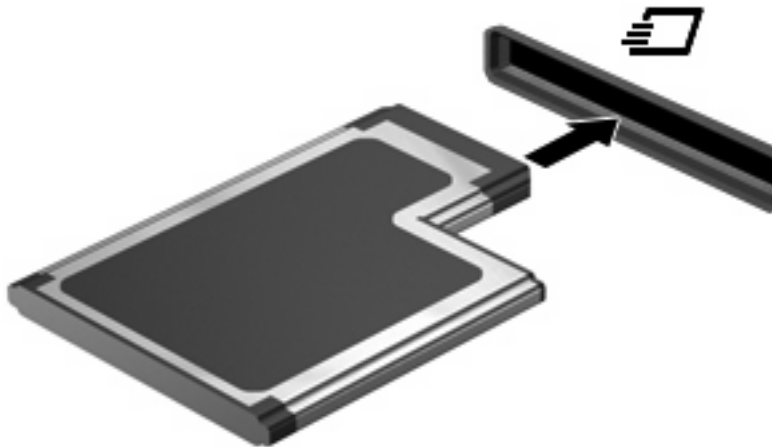
The ExpressCard slot may contain a protective insert. To remove the insert:

1. Press in on the insert **(1)** to unlock it.
2. Pull the insert out of the slot **(2)**.



To insert an ExpressCard:

1. Hold the card label-side up, with the connectors facing the computer.
2. Insert the card into the ExpressCard slot, and then push in on the card until it is firmly seated.



You will hear a sound when the device has been detected, and a menu of available options may be displayed.

📄 **NOTE:** The first time you insert an ExpressCard, the “Installing device driver software” message is displayed in the notification area, at the far right of the taskbar.

📄 **NOTE:** An inserted ExpressCard uses power even when idle. To conserve power, stop or remove an ExpressCard when it is not in use.

## Removing an ExpressCard

△ **CAUTION:** To prevent loss of data or an unresponsive system, use the following procedure to safely remove the ExpressCard.

Save your information and close all programs associated with the ExpressCard.

📄 **NOTE:** To stop a data transfer, click **Cancel** in the operating system Copying window.

To remove an ExpressCard:

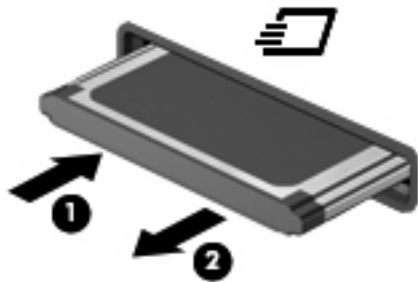
1. Click the **Safely Remove Hardware and Eject Media** icon in the notification area, at the far right of the taskbar.

📄 **NOTE:** To display the Safely Remove Hardware and Eject Media icon, click the **Show hidden icons** icon (the arrow at the left side of the notification area).

2. Click the name of the ExpressCard in the list.

📄 **NOTE:** You are informed that it is safe to remove the hardware device.

3. Release and remove the ExpressCard:
  - a. Gently press in on the ExpressCard **(1)** to unlock it.
  - b. Pull the ExpressCard out of the slot **(2)**.



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