

HP 22-in-1 Media Card Reader

User Guide



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About This Guide

This guide provides information on setting up and using the HP 22-in-1 Media Card Reader..

- △ **WARNING!** Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.
- △ **CAUTION:** Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.
- 📝 **NOTE:** Text set off in this manner provides important supplemental information.

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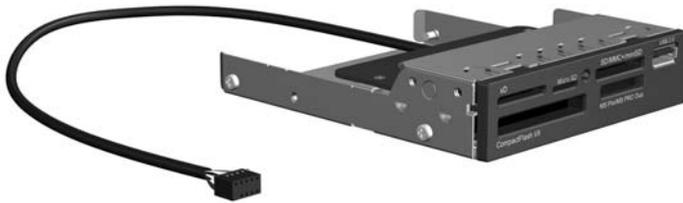
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1 Product Features

HP 22-in-1 Media Card Reader



The HP 22-in-1 Media Card Reader reads and writes files from your computer to different types of media. Files can be copied, edited, stored and transferred. The media card reader:

- Reads/Writes up to 22 (or 24 with adapter) different industry standard media types
- Capable of using 1394 and/or USB 2.0 (480Mbps — four times faster than USB 1.1) to provide superior performance to transfer pictures, music, video and data between flash memory cards and the computer
- Provides additional 1394 port and/or USB port to allow ease of use directly from the front of the PC
- Fits conveniently in the 3.5" drive bay or in the 5.25" drive bay
- Includes convenience for half-height bracket as well as the default full-height bracket for your 1394 PCI card

HP 22-in-1 (USB) Media Card Reader Kit Contents

The HP 22-in-1 Media Card Reader with USB kit includes:

- 3.5-inch media card reader with integrated USB cable
- Media Reader 5.25-inch accessory kit for 5.25" drive bays
- *I/O and Security Software and Documentation CD*

HP 22-in-1 (with 1394) Media Card Reader Kit Contents

The HP 22-in-1 Media Card Reader (with USB and 1394) kit includes:

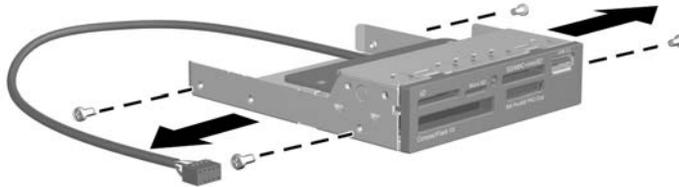
- 3.5-inch media card reader with integrated USB cable and 1394 cable
- Media Reader 5.25-inch accessory kit for 5.25" drive bays
- 1394 PCI card with full-height expansion bracket attached
- Low profile expansion bracket that replaces the full-height expansion bracket to use on some computer models
- *I/O and Security Software and Documentation CD*

Installing the Media Reader 5.25-Inch Adapter Kit

The Media Card Reader can be installed in a 3.5-inch or 5.25-inch computer drive bay. If installing the 3.5-inch media card reader into a 5.25-inch drive bay, you must first install the 5.25-inch accessory kit to the reader.

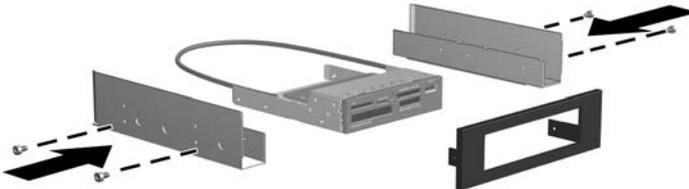
1. Remove the four screws (two on each side) from the media card reader.

Figure 1-1 Removing screws from Media Card Reader



2. Assemble the rails and bezel and attach to the media card reader with the four screws removed earlier.

Figure 1-2 Attaching Rails and Bezel



2 Installing the Media Card Reader

Accessing the Internal Components of the Computer

△ **CAUTION:** Static electricity can damage the electronic components of the computer or optional equipment. Before beginning these procedures, ensure that you are discharged of static electricity by briefly touching a grounded metal object. Refer to the documentation included with your computer for additional information on preventing electrostatic discharge.

CAUTION: When the computer is plugged into an AC power source, voltage is always applied to the system board. You must disconnect the power cord from the power source before opening the computer to prevent system board damage.

△ **WARNING!** To reduce the risk of personal injury from electrical shock and/or hot surfaces, be sure to disconnect the power cord on the computer from the wall outlet and allow the internal system components to cool before touching.

To prepare the computer for installation of the HP 22-in-1 Media Card Reader, refer to the documentation included with your computer for detailed instructions to:

1. Power off and unplug the computer from the power source.
2. Remove the computer cover or access panel.
3. Remove the front bezel.
4. Remove the 3.5-inch or 5.25-inch bezel blank cover from the computer's drive bay (or remove the 3.5-inch or 5.25-inch drive from the bay if you are replacing a drive with the media card reader and do not have an empty drive bay).

 **NOTE:** Some computer models may require that the screws on the sides of the media card reader be removed before inserting the reader into the drive bay. The screws are then reinstalled after the reader is inserted. Refer to your computer documentation for installing additional drives in the drive bays.

5. Install the media card reader according to the instructions from your computer model's documentation on installing a drive into a 3.5-inch or 5.25-inch drive bay.

Figure 2-1 Installing in a 3.5-inch Drive Bay

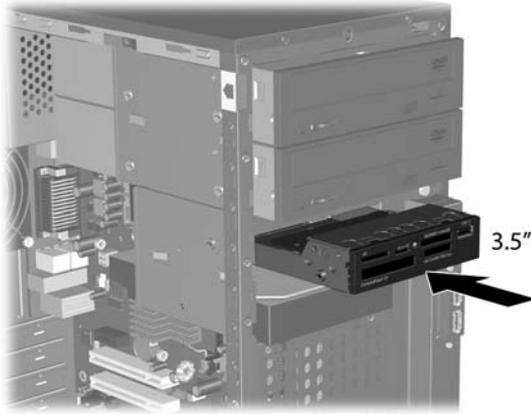
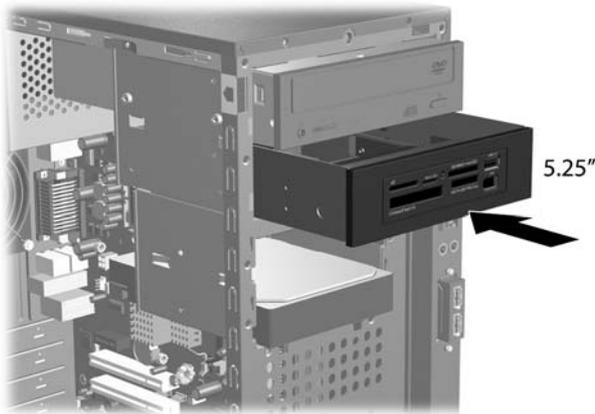


Figure 2-2 Installing in a 5.25-inch Drive Bay



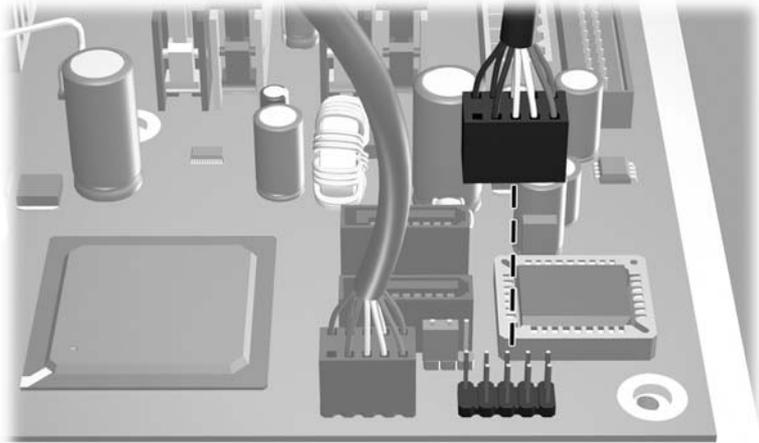
6. Be sure to use the proper guide screws, if appropriate, to ensure the media card reader will line up correctly in the drive cage and lock in place. Refer to your computer documentation for guide screws usage.

 **NOTE:** Documentation for each computer model can be found at <http://www.hp.com/support>.

Connecting the Media Card Reader (USB Only)

Connect the USB cable from the media card reader directly into the USB connector on the system board.

Figure 2-3 Connecting to the System Board



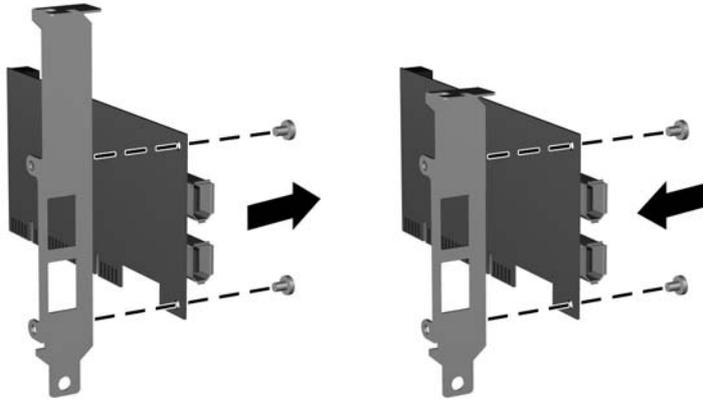
-
- △ **CAUTION:** Some system boards do not have an available USB connector. If you unplug the USB cable that is connected to the system board to free up a connector for the HP Media Card Reader, the front USB ports on the computer will not function.
-

Connecting the Media Card Reader with 1394

The Media Reader with 1394 includes a 1394 PCI card. To install the PCI card and connect the 1394 cable:

1. A full-height expansion cover bracket is attached to the 1394 card. If your computer requires a half-height bracket, remove the full-height bracket and attach the half-height bracket to the 1394 card before installing the card.

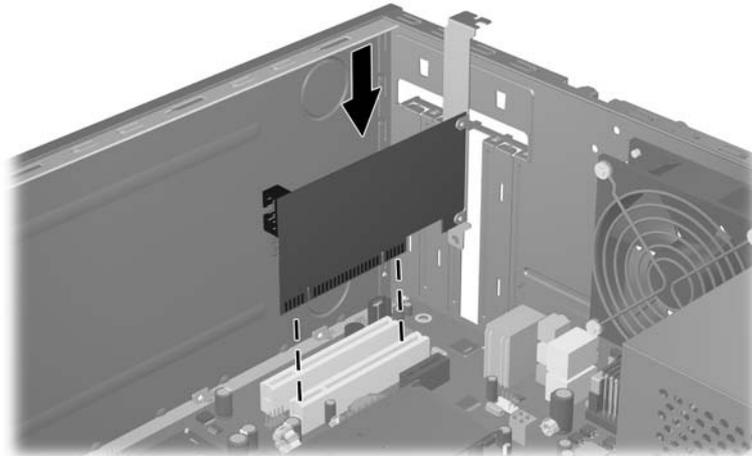
Figure 2-4 Installing the Expansion Cover Bracket



2. Insert the 1394 card into an available expansion slot in the computer.

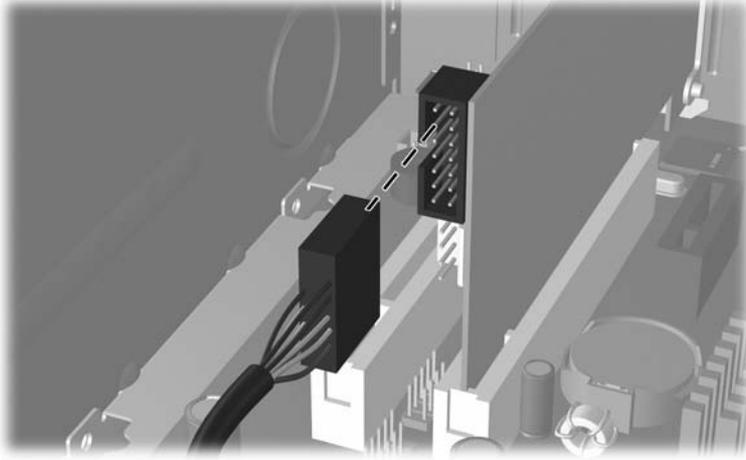
 **NOTE:** Refer to the documentation included with your computer for instructions on installing an expansion card.

Figure 2-5 Installing the 1394 PCI Expansion Card



3. Connect the 1394 cable from the media card reader to the 1394 PCI card.

Figure 2-6 Connecting the 1394 Cable



4. Connect the USB cable. Refer to “Connecting the Media Card Reader (USB Only)” in the previous section of this chapter.

Reassembling the Computer

After installing the HP Media Card Reader:

1. Replace the front bezel.
2. Replace the computer cover or access panel.
3. Plug in and power on the computer.

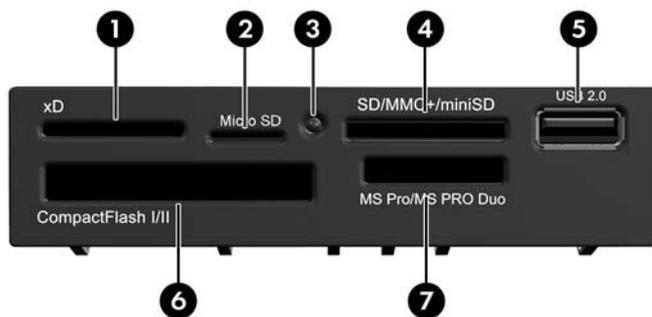
The HP Media Card Reader should now be ready for use. If you encounter problems, refer to Appendix A, “Troubleshooting.”

3 Identifying Media Slots

Front Panel Components

The media slots accept the following cards.

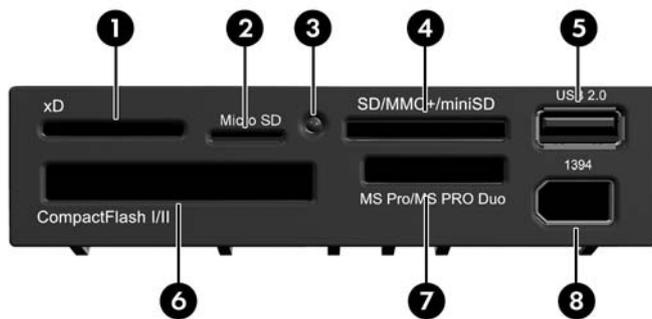
Figure 3-1 HP 22-in-1 USB Media Card Reader



1	xD-Picture Card (xD)	2	<ul style="list-style-type: none">• Micro SD (T-Flash)• Micro SDHC
3	Status Light	4	<ul style="list-style-type: none">• Secure Digital Card (SD)• Secure Digital High Capacity (SDHC)• Mini SD• Mini SDHC• MultiMediaCard (MMC)• Reduced Size MultiMediaCard (RS MMC)• MMC Micro (adapter required)• MultiMedia Card 4.2 (MMC Plus, including MMC Plus HC)• Reduced Size MultiMedia Card 4.2 (MMC Mobile, including MMC Mobile HC)
5	USB Connector	6	<ul style="list-style-type: none">• CompactFlash Card Type I• CompactFlash Card Type II• MicroDrive
7	<ul style="list-style-type: none">• Memory Stick (MS)• MagicGate Memory Stick (MG)		

- MagicGate Memory Stick Duo
- Memory Stick Select
- Memory Stick Duo (MS Duo)
- Memory Stick PRO (MS PRO)
- Memory Stick PRO Duo (MS PRO Duo)
- Memory Stick PRO-HG Duo
- Memory Stick Micro (M2)
(adapter required)

Figure 3-2 HP 22-in-1 (with 1394) Media Card Reader



1	xD-Picture Card (xD)	2	<ul style="list-style-type: none"> • Micro SD (T-Flash) • Micro SDHC
3	Status Light	4	<ul style="list-style-type: none"> • Secure Digital Card (SD) • Secure Digital High Capacity (SDHC) • Mini SD • Mini SDHC • MultiMediaCard (MMC) • Reduced Size MultiMediaCard (RS MMC) • MMC Micro (adapter required) • MultiMedia Card 4.2 (MMC Plus, including MMC Plus HC) • Reduced Size MultiMedia Card 4.2 (MMC Mobile, including MMC Mobile HC)
5	USB Connector	6	<ul style="list-style-type: none"> • CompactFlash Card Type I • CompactFlash Card Type II • MicroDrive
7	<ul style="list-style-type: none"> • Memory Stick (MS) • MagicGate Memory Stick (MG) 	8	1394 Connector

-
- MagicGate Memory Stick Duo
 - Memory Stick Select
 - Memory Stick Duo (MS Duo)
 - Memory Stick PRO (MS PRO)
 - Memory Stick PRO Duo (MS PRO Duo)
 - Memory Stick PRO-HG Duo
 - Memory Stick Micro (M2)
(adapter required)
-

Compatible Media Cards

For a list of supported media cards for the HP 22-in-1 Media Card Reader, refer to the “Compatible Media Cards” document available on the CD included with this kit.

A Troubleshooting

Solving Common Problems

The following table lists possible problems, the possible cause of each problem, and the recommended solutions.

Table A-1 Solving Common Problems

Problem	Possible Cause	Solution
No available USB connector on the system board.	All USB ports on the computer are used or none are available.	Purchase and install a USB expansion card that is appropriate for your system.
Media card will not work in a digital camera after formatting it in Microsoft Windows XP.	By default, Windows XP will format any media card with a capacity greater than 32MB with the FAT32 format. Most digital cameras use the FAT (FAT16 & FAT12) format and can not operate with a FAT32 formatted card.	Either format the media card in the digital camera or select FAT file system to format the media card in a computer with Windows XP.
A write-protected or locked error occurs when attempting to write to the media card.	Media card is locked. Locking the media card is a safety feature that prevents writing to and deleting from an SD/Memory Stick/PRO card.	If using an SD card, make sure that the lock tab located on the right of the SD card is not in the locked position. If using a Memory Stick/PRO card, make sure that the lock tab located on the bottom of the Memory Stick/PRO card is not in the locked position.
Cannot write to the media card.	The media card is a read-only memory (ROM) card.	Check the manufacturer's documentation included with your card to see if it is writable. Refer to the "Compatible Media Cards" document available on the CD included with your reader.
Unable to access data on the media card after inserting it into a slot.	The media card is not inserted properly, is inserted in the wrong slot, or is not supported.	Ensure that the card is inserted properly with the gold contact on the correct side. The green LED will light if inserted properly. Refer to the "Compatible Media Cards" document available on the CD included with your reader.
Do not know how to remove a media card correctly.	The computer's software is used to safely eject the card.	Open "My Computer," right-click on the corresponding drive icon, and select "Eject." Then pull the card out of the slot. Note: Never remove the card when the green LED is flashing.
After installing the media card reader and booting to Windows, the reader and the inserted cards are not recognized by the computer.	The operating system needs time to recognize the device if the reader was just installed into the computer and you are turning the PC on for the first time.	Wait a few seconds so that the operating system can recognize the reader and the available ports, and then recognize whatever media is inserted in the reader.

Table A-1 Solving Common Problems (continued)

Problem	Possible Cause	Solution
After inserting a media card in the reader, the computer attempts to boot from the media card.	The inserted media card has boot capability.	If you do not want to boot from the media card, remove it during boot or do not select the option to boot from the inserted media card during the boot process.
Computer will not boot from a USB removable drive or media that is inserted in the USB port on the media card reader.	The media card reader is connected to the computer via the PCI card, which is not supported on the HP DesktopBIOS.	The bootable USB device will have boot support if you connect the media card reader to an available USB connector on the computer's system board. If no connector is available, plug the bootable device into a different USB port on the computer.
After installing the media card reader, the front USB ports on the computer do not work.	The USB cable for the front USB ports was disconnected so that the system board connector could be used for the reader.	Reconnect the cable for the front USB ports. Connect the media reader to an available USB connector on the system board.

Using the Worldwide Web

For the online access to technical support information, self-solve tools, online assistance, community forums or IT experts, broad multivendor knowledge base, monitoring and diagnostic tools, go to <http://www.hp.com/support>.

Preparing to Call Technical Support

If you can not solve a problem using the troubleshooting tips in this section, you may need to call technical support. Refer to the *Support Telephone Numbers* guide on the *I/O and Security Software and Documentation* CD. Have the following information available when you call:

- Serial number of the computer in which the accessory is installed.
- Purchase date on invoice.
- Condition under which the problem occurred.
- Error messages received.
- Hardware configuration.
- Hardware and software you are using.

B Agency Regulatory Notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hewlett Packard Company may void the user's authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Declaration of Conformity for Products Marked with the FCC Logo (United States Only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

For questions regarding the product, contact:

Hewlett Packard Company
P. O. Box 692000, Mail Stop 530113
Houston, Texas 77269-2000
Or, call 1-800-HP-INVENT (1-800 474-6836)

For questions regarding this FCC declaration, contact:

Hewlett Packard Company
P. O. Box 692000, Mail Stop 510101
Houston, Texas 77269-2000
Or, call (281) 514-3333

To identify this product, refer to the Part, Series, or Model number found on the product.

Canadian Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union Regulatory Notice

This product complies with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) which are listed on the EU Declaration of Conformity issued by Hewlett-Packard for this product or product family.

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 <small>This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g. Bluetooth).</small>	 <small>This marking is valid for EU non-harmonized Telecom products. *Notified body number (used only if applicable - refer to the product label).</small>
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Product Environmental Notices

Disposal of Waste Equipment by Users in Private Household in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling or waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact the local city office, the household waste disposal service or the shop where you purchased the product.

Chemical Substances

HP is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (*Regulation EC No 1907/2006 of the European Parliament and the Council*). A chemical information report for this product can be found at: <http://www.hp.com/go/reach>

Restriction of Hazardous Substances (RoHS)

A Japanese regulatory requirement, defined by specification JIS C 0950, 2005, mandates that manufacturers provide Material Content Declarations for certain categories of electronic products offered for sale after July 1, 2006. To view the JIS C 0950 material declaration for this product, visit <http://www.hp.com/go/jisc0950>.

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有毒有害物质/元素的名称及含量表

根据中国
《电子信息产品污染控制管理办法》



部件名称	有毒有害物质和元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
扬声器	X	○	○	○	○	○
其它 I/O PCA	X	○	○	○	○	○
机箱/其它	X	○	○	○	○	○
风扇	X	○	○	○	○	○
鼠标	X	○	○	○	○	○
键盘	X	○	○	○	○	○
内存	X	○	○	○	○	○
电缆/其它	X	○	○	○	○	○
处理器	X	○	○	○	○	○
电源	X	○	○	○	○	○
主 PCA	X	○	○	○	○	○
内部/外部介质读取设备	X	○	○	○	○	○
外部控制设备	X	○	○	○	○	○
硬盘驱动器	X	○	○	○	○	○

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