



HP Slate 21 Pro All-in-One

User Guide

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Product notice

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

About This Guide

This guide provides information on setting up and using the HP Slate 21 Pro All-in-One.

 **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.

Table of contents

1 Product features	1
Front components	2
Rear and side components	3
Slate and HDMI modes	3
Slate mode	4
HDMI mode	4
Switching between Slate and HDMI modes	4
2 Setting up the hardware	5
Preparing for desk use	5
Preparing for wall mounting	5
Connecting the cables	8
Adjusting the tilt	11
Attaching a cable lock	12
Turning on the all-in-one for the first time	13
Connecting USB devices	14
Using the touchscreen	15
One-finger slide	15
Tapping	15
Pinching/stretching	16
Rotating	16
Swipes	16
Connecting to networks	17
Connecting to wireless networks	17
Connecting to wired networks	17
Using Bluetooth	18
3 Using the Slate mode user interface	20
Managing files	21
Cloud storage and file sharing	21
Using Box.net	21
Using Google Drive	22
Video conferencing	22
Using Kingsoft Office	22
Using Citrix apps	23
Citrix Receiver	23

GoToMeeting	23
GoToMyPC	23
GoToAssist	23
Mobile Device Management (MDM)	23
Using HP Classroom Manager (Student version)	24
Browsing the Internet	24
Playing media	24
Using the camera	25
Printing	25
Printing in Browser	26
Adjusting the Android settings	26
Date/time settings	26
Security settings	26
Screen lock	26
Encryption	27
Sound settings	27
Language	27
Updating the software	27
Setting your language for the external keyboard	28
Enabling input method editor (IME)	28
Changing the Home screen wallpaper	29
Organizing apps on the Home screen	29
Backup & reset	29
Backup & restore	30
Factory data reset	30
4 Using the On-Screen Display (OSD) menu in HDMI mode	31
Power button lockout	32
OSD lockout	32
5 Safety and maintenance guidelines	33
Important safety information	33
Maintenance guidelines	33
Cleaning the all-in-one	34
Shipping the all-in-one	34
6 Frequently asked questions	35
7 Product support	36

8 Technical specifications	37
HP Slate 21 Pro All-in-One	37
Energy saver feature	38
Appendix A Agency regulatory notices	39
Federal Communications Commission notice	39
Modifications	39
Cables	39
Declaration of Conformity for products marked with the FCC Logo (United States only)	39
Products with wireless LAN devices	40
Brazil notice	40
Canadian notices	40
European Union regulatory notices	41
Products with wireless functionality (EMF)	41
Restrictions for product with wireless functionality	41
German ergonomics notice	42
Australia and New Zealand notice	42
Japanese notices	42
Wireless LAN, Wireless WAN, and Bluetooth certification markings	42
South Korean notices	43
Mexico notice	43
Taiwan NCC notices	43
Wireless LAN 802.11a devices	43
Wireless LAN 802.11 devices/Bluetooth devices/Short range devices	44
Power cord set requirements	44
Japanese power cord requirements	44
Product environmental notices	45
ENERGY STAR® qualification	45
Materials disposal	45
Disposal of waste equipment by users in private household in the European Union	46
HP recycling program	46
Chemical substances	46
Restriction of Hazardous Substances (RoHS)	46
Turkey EEE regulation	47
Ukraine restriction of hazardous substances	47

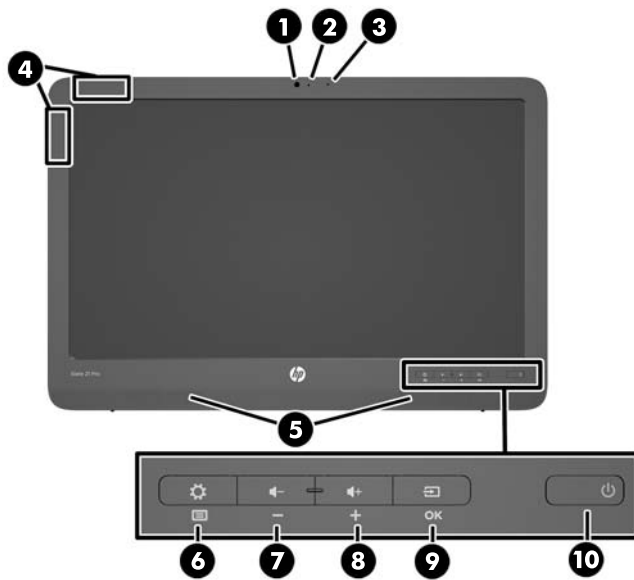
1 Product features

HP Slate 21 Pro All-in-One is the commercial Android™ touch AiO with access to Google™ Play app store and preinstalled business apps. HP Slate 21 Pro offers quick and easy access to internet, Android apps and cloud with a simple, intuitive, user-friendly touch interface. It is ideal for businesses that require a lower cost device for accessing the Internet and apps without the need for a PC and for Citrix users, Kiosk usage, Small and Medium Business usage, and cloud productivity.

The all-in-one has an active matrix, thin-film transistor (TFT) panel. Features include:

- Android 4.3 operating system with multi-user support and access to Google Play app store
- 54.6 cm (21.5-inch) diagonal viewable area LED display with 1920 x 1080 resolution
- IPS panel, 178/178 viewing angle, 1000:1 contrast ratio
- Tilt capability from 15 to 70 degrees
- 2 point optical touchscreen that uses 3 cameras
- Nvidia Tegra 4 Quad Core (T40S) processor
- 16 GB flash memory storage
- 3 USB 2.0 ports
- Secure Digital (SD) card reader
- Embedded HP Webcam (720p HD) and microphone
- Ethernet jack
- HDMI In port for connecting devices such as a PC, camera, or DVD player
- Switchable between Slate and HDMI modes
- Combined audio out and microphone port for connecting headphones or a headset
- Plug and play capability that lets the all-in-one automatically recognize hardware devices (USB printers not supported)
- Wireless 802.11 a/b/g/n + Bluetooth 4.0
- Built-in stereo speakers
- Wired USB keyboard and mouse included with select models
- Video Electronics Standards Association (VESA) standard mounting holes for flexible mounting solutions, including wall-mounting

Front components



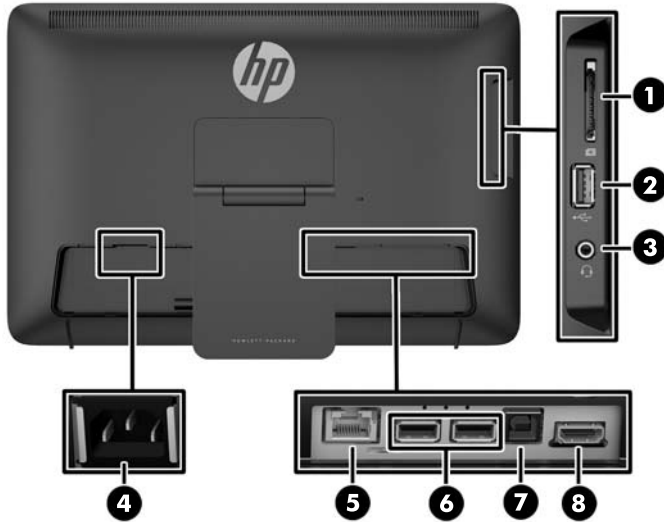
Component	Function
(1) Webcam	Records video and captures still photographs
(2) Webcam light	On: The webcam is in use
(3) Internal microphone	Records sound
(4) WLAN/BT antennas (2)*	Send and receive wireless signals to communicate with WLANs
(5) Speakers	Produce sound
(6) Settings / Menu button	Opens the Settings in Slate mode Opens the OSD in HDMI mode
(7) Volume down / Minus button	Decreases volume in Slate and HDMI modes If the OSD menu is active in HDMI mode, press to navigate backward through the OSD menu and decrease adjustment levels
(8) Volume up / Plus button	Increases volume in Slate and HDMI modes If the OSD menu is active in HDMI mode, press to navigate forward through the OSD menu and increase adjustment levels
(9) Source / OK button	Switches between Slate and HDMI modes If the OSD menu is active in HDMI mode, press to select the highlighted menu item
(10) Power button	Turns the all-in-one on and off

NOTE: The webcam and internal microphone are functional only in Slate mode. They are not functional in HDMI mode.


NOTE: To set up a WLAN and connect to the Internet, you need a broadband modem (either DSL or cable) (purchased separately), high-speed Internet service purchased from an Internet service provider, and a wireless router (purchased separately).

*The antennas are not visible from the outside of the all-in-one. For optimal transmission, keep the areas immediately around the antenna free from obstructions.

Rear and side components



Component	Function
(1) SD card reader	Reads data from and writes data to Secure Digital (SD) memory cards
(2) USB 2.0 connector	Connects external USB devices to the all-in-one
(3) Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, earbuds, or a headset
(4) Power connector	Connects the power cord to the all-in-one
(5) Ethernet connector	Connects an Ethernet cable to the all-in-one
(6) USB 2.0 connectors	Connect external USB devices to the all-in-one
(7) USB upstream connector	Connects a USB cable between a PC and the all-in-one (required for touch functionality in HDMI mode when connected to a PC)
(8) HDMI connector	Connects an HDMI device, such as a PC, camera, or DVD player

 **NOTE:** The side ports (SD card reader, USB 2.0 connector, and audio-out jack) are functional only in Slate mode. They are not functional in HDMI mode.

Slate and HDMI modes

The all-in-one can operate in either Slate mode or HDMI mode.

Slate mode

In Slate mode, the all-in-one is a commercial Android device with access to over 700,000 apps, cloud computing, and Internet access.

Slate mode requires only a power connection. For Internet or network access, you must also have a wired (Ethernet) or wireless (Wi-Fi) connection (Refer to [Connecting to networks on page 17](#) for more information).

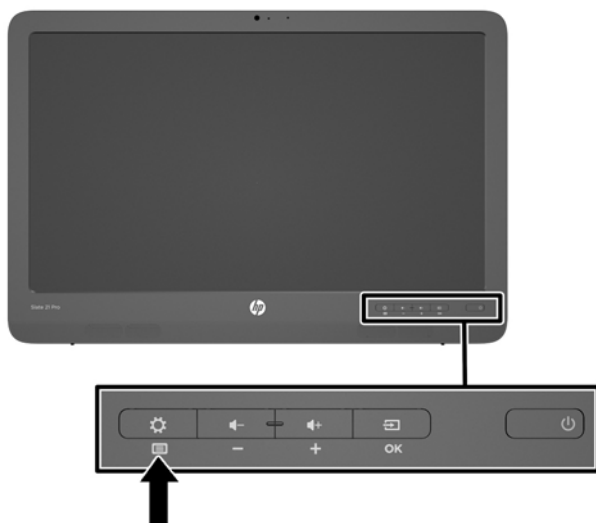
HDMI mode

In HDMI mode, the all-in-one is a standard monitor when connected to an HDMI device such as a PC, camera, or DVD player.

HDMI mode requires a power connection and an HDMI device connection. If the all-in-one is connected to a PC, you must also have a USB upstream cable (included) connected between the USB upstream port on the all-in-one and a USB downstream port on the PC for touch functionality.

Switching between Slate and HDMI modes

To switch between modes, press the Source button on the front panel. After pressing the Source button, a Mode Switch Request screen will pop up. To continue the mode switch, press the Source button again before the Mode Switch Request screen times out. If you want to cancel the mode switch, press the Volume down button. If you do not press one of the two buttons, the mode switch is automatically cancelled when the Mode Switch Request screen times out.



CAUTION: The Mode Switch Request screen is warning you that you must complete any file save or data transfer currently in progress before switching modes. If you have a storage device such as a flash drive or external hard drive connected to one of the rear USB ports on the all-in-one, you must complete any data transfer and save and close any open data files on the storage device before switching modes. Otherwise, the switch will result in data loss and/or corrupted data files.

NOTE: If the HDMI source is disconnected, the all-in-one will automatically go to sleep. If you want the all-in-one to automatically switch to Slate mode instead of going to sleep, you can change the settings in the OSD. While in HDMI mode, press the Menu button to open the OSD, and then go to **Management > Auto-Switch Input** and select **On**.

2 Setting up the hardware

You can install the all-in-one on a desktop or mount it to a mounting fixture such as a wall mount or swing arm. Be sure to place the all-in-one in a convenient, well-ventilated location. Connect the cables after you have installed the all-in-one to a mounting fixture.

To set up the all-in-one, ensure that the power is turned off to the all-in-one and all attached accessories, and then follow the instructions below for your configuration.

Preparing for desk use


To assemble the all-in-one for desktop use:

1. Set the all-in-one face down on a table or desk covered by a clean, dry cloth.
2. Pull the stand outward.



3. Lift the all-in-one to an upright position and place on a flat, stable surface.

Preparing for wall mounting

 **NOTE:** This all-in-one is intended to be supported by UL or CSA Listed wall mount bracket.

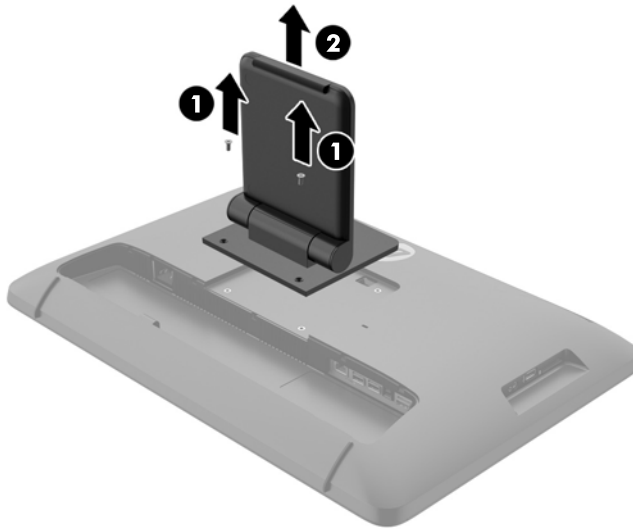
To attach the all-in-one to a mounting fixture:

1. Set the all-in-one face down on a flat, soft, protected table or desk surface.

2. Lift and rotate the stand until it is positioned straight up so you can access the screw that secures the stand to the all-in-one.



3. Remove the two screws that secure the stand to the all-in-one (1), and then lift up the bottom of the stand slightly and remove it from the all-in one (2).



4. Align the screw holes on the mounting fixture with the VESA holes on the back of the all-in-one, and then insert four 10 mm screws (not provided) through the holes on the mounting fixture and into the mounting holes on the all-in-one.

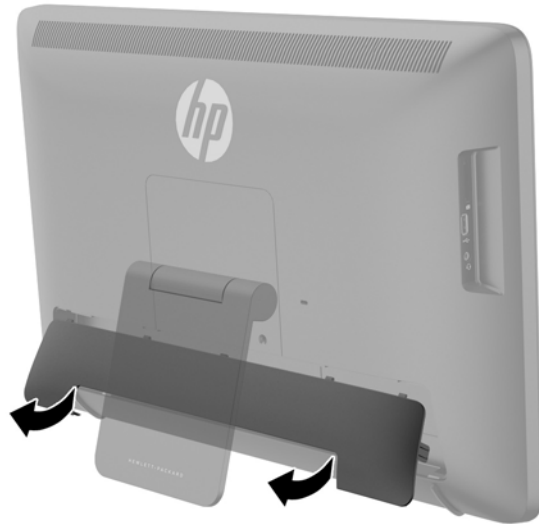
⚠ CAUTION: This all-in-one supports the VESA industry standard 100 mm mounting holes. To attach a third-party mounting solution to the all-in-one, four 4 mm, 0.7 pitch, and 10 mm long screws are required. Longer screws must not be used because they may damage the all-in-one. It is important to verify that the manufacturer's mounting solution is compliant with the VESA standard and is rated to support the weight of the all-in-one. For best performance, it is important to use the power and video cables provided with the all-in-one.



Connecting the cables

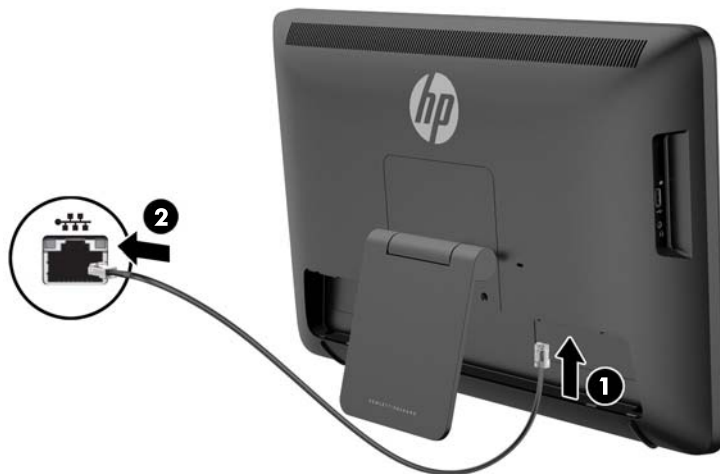
The cable connections required depend on whether you are using a keyboard and mouse or wired (Ethernet) or wireless connection.

1. Place the all-in-one in a convenient, well-ventilated location.
2. Remove the rear I/O cover from the all-in-one.




3. If you want to use a wired network connection, connect an Ethernet cable to the Ethernet port on the rear panel of the all-in-one (1), and then to an active Ethernet jack (2).

For more information, see [Connecting to wired networks on page 17](#).



4. If you want to use a keyboard and/or mouse, connect the keyboard and mouse to the USB ports on the rear panel of the all-in-one after powering it on.

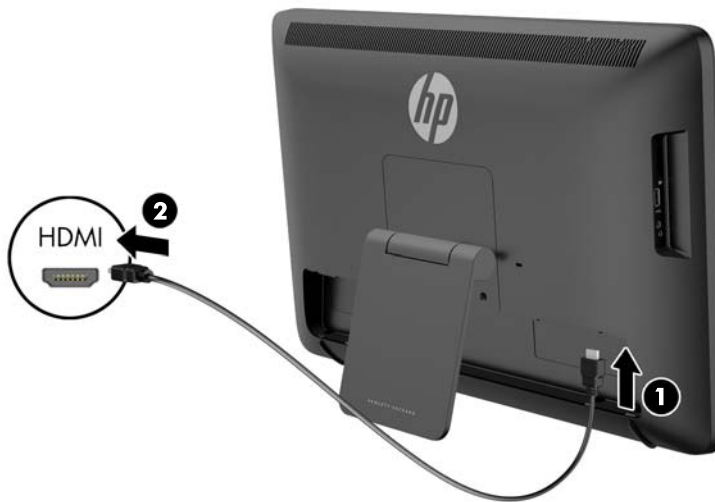
 **NOTE:** You must power on the all-in-one before connecting the keyboard and mouse.

To use the keyboard and mouse in HDMI mode, they must be plugged into the USB ports on the rear panel.

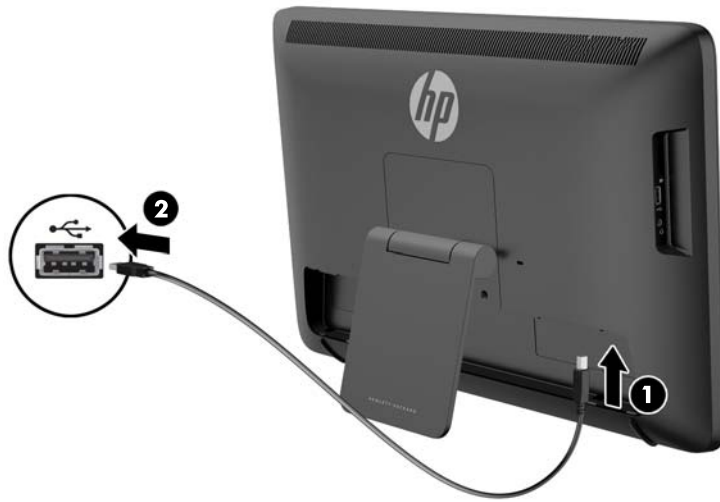


5. If you want to attach an HDMI device, connect an HDMI cable to the HDMI port on the rear panel of the all-in-one (1), and then to an HDMI device (2).

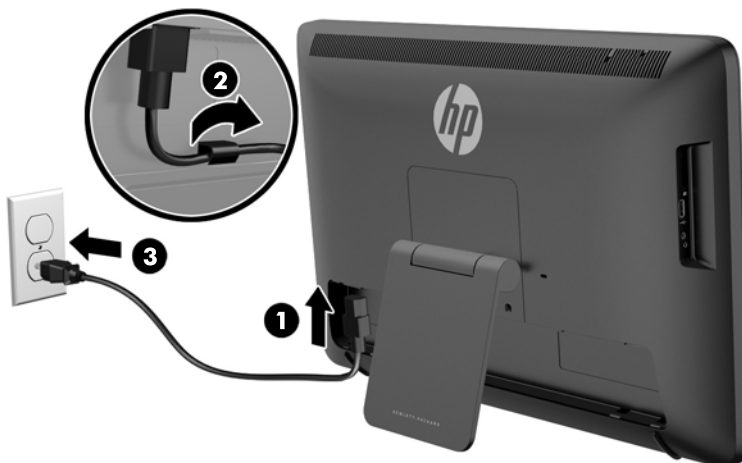
 **NOTE:** To use the HDMI device, you must switch to HDMI mode.



6. If you want to use the keyboard and mouse in HDMI mode or provide touch functionality to the screen while connected to a PC in HDMI mode, connect a USB cable to the USB upstream port on the rear panel of the all-in-one (1), and then to a USB downstream port on the PC (2).



7. Connect one end of the power cord to the AC power connector on the back of the all-in-one (1), route the cord through the retainer clip (2), and then connect the other end to an electrical wall outlet (3).

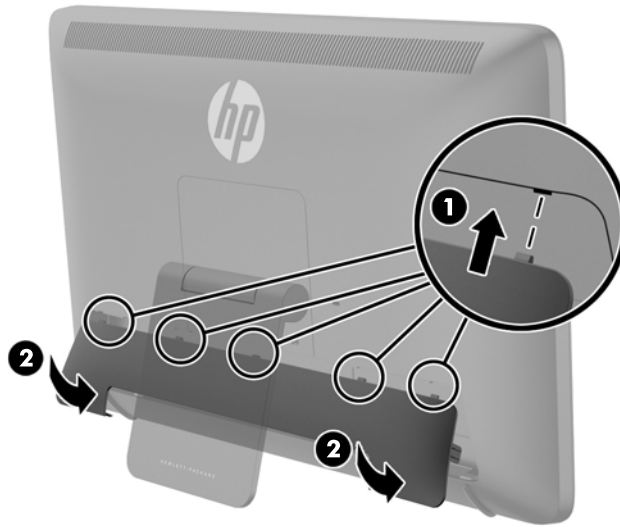


⚠ WARNING! To reduce the risk of electric shock or damage to the equipment:

- Plug the power cord into an AC outlet that is easily accessible at all times.
- Disconnect power from the computer by unplugging the power cord from the AC outlet.
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

For your safety, do not place anything on power cords or cables. Arrange them so that no one may accidentally step on or trip over them. Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug.

8. Replace the cable cover on the rear of the all-in-one by sliding the tabs on the top of the cover into the slots on the top of the cable connection recess (1) then rotate the cover down and snap into the recess (2) so that it is securely fastened to the rear of the all-in-one.



Adjusting the tilt

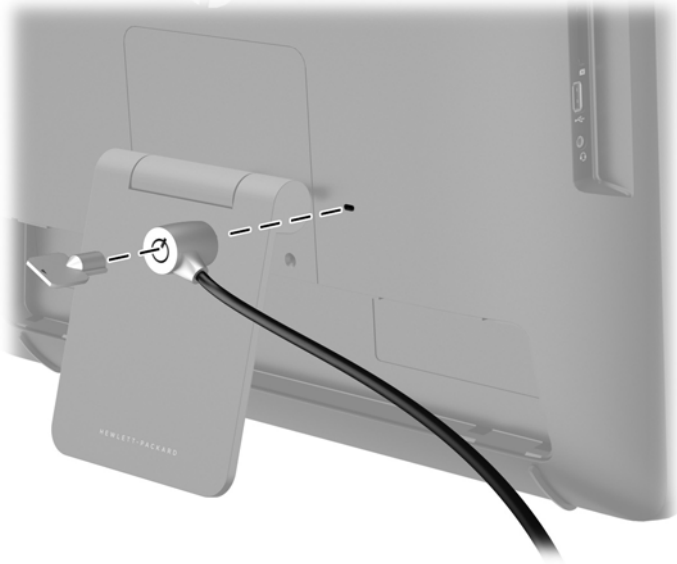
For optimal viewing, adjust the screen tilt to your own preference.

1. Face the rear of the all-in-one and hold it so that you do not topple it while changing the tilt.
2. Without touching the screen, adjust the tilt by rotating the stand up and down.




Attaching a cable lock

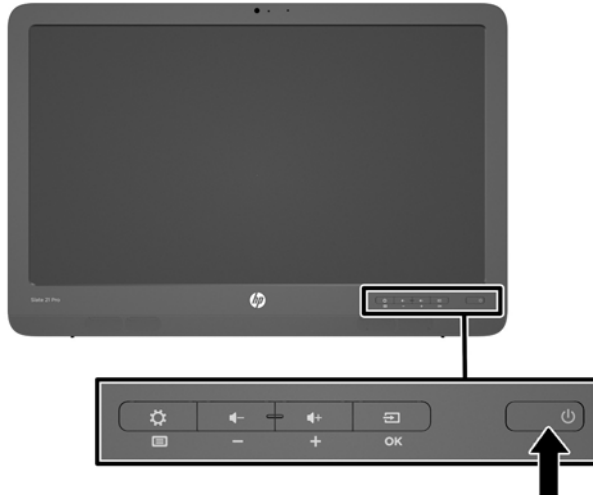
You can secure the all-in-one to a fixed object with an optional cable lock available from HP.




Turning on the all-in-one for the first time

 **NOTE:** For a seamless experience, the Startup Wizard requires an internet connection. Before powering on the all-in-one, please be prepared to establish a wired (Ethernet) or wireless (Wi-Fi) internet connection.

After connecting the cables, press the power button on the front of the all-in-one to turn it on.




 **CAUTION:** Burn-in image damage may occur on displays that show the same static image on screen for a prolonged period of time.* To avoid burn-in image damage on the screen, always turn off the all-in-one when it is not in use for a prolonged period of time. Image retention is a condition that may occur on all LCD screens. Display with a “burned-in image” are not covered under the HP warranty.

* A prolonged period of time is 12 consecutive hours of non-use.

When you turn on the all-in-one for the first time, the Startup Wizard will begin. Follow the instructions in the Startup Wizard to:

- Select the appropriate language.
- Enter the network settings.
- Configure the all-in-one to be backed up automatically. HP strongly recommends that you back up the all-in-one. In the case of hardware replacement, backups will allow you to restore your system as seamlessly as possible.
- Set the date and time.
- Register your all-in-one with HP.


 **NOTE:** You can modify the settings that were entered in the Startup Wizard any time by accessing Settings from the All Apps screen, accessed using the center icon on the launch bar. For more information on the settings in the Startup Wizard, refer to [Adjusting the Android settings on page 26](#).

If you want to configure security settings, such as passwords, go to Settings from the All Apps screen.

After completing the Startup Wizard, the Home screen displays.

Connecting USB devices


There are two USB connectors on the rear of the all-in-one and one USB connector on the side of the all-in-one for connecting USB devices.


 **NOTE:** The side USB port is functional only in Slate mode. It is not functional in HDMI mode. The rear USB ports are functional in both modes.



Using the touchscreen

A touch screen device allows you to control items on the screen directly with your fingers.

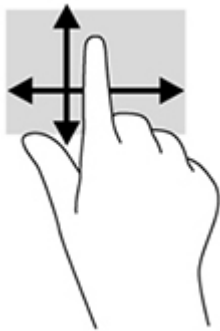
 **TIP:** On touch screen devices, you can also perform on-screen actions with a keyboard and mouse.

 **NOTE:** If the all-in-one is connected to a PC, you must also have a USB upstream cable (included) connected between the USB upstream port on the all-in-one and a USB downstream port on the PC for touch functionality.

One-finger slide

The one-finger slide is mostly used to pan or scroll through lists and pages, but you can use it for other interactions, too, such as moving an object.

- To scroll across the screen, lightly slide one finger across the screen in the direction you want to move.
- To drag, press and hold an object, and then drag the object to move it.



Tapping

To make an on-screen selection, use the tap function. Use one finger to tap an object on the screen to make a selection and/or to open it.



Pinching/stretching

Pinching and stretching allows you to zoom out or in on images or text.

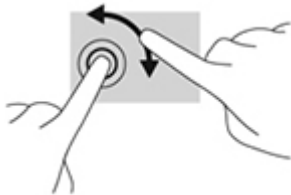
- Zoom in by placing two fingers together on the display and then move your fingers apart.
- Zoom out by placing two fingers apart on the display and then move your fingers together.



Rotating

Rotating allows you to turn items such as photos.

Anchor the forefinger of your left hand on the object you want to rotate. Using your right hand, slide your forefinger around in a sweeping motion from 12 o'clock to 3 o'clock. To reverse the rotation, move your forefinger from 3 o'clock to 12 o'clock.

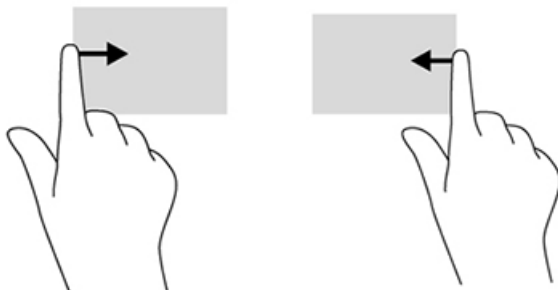


NOTE: Rotate is intended for specific apps where you can manipulate an object or image. Rotate may not be functional for all apps.

Swipes

With swipes you can flip between screens or images.

Gently swipe your finger inward from the edge of the display onto the screen to reveal the next or previous screen or image.




Connecting to networks


You can connect to networks with either a wired (Ethernet) or wireless (Wi-Fi) connection. You cannot enable Ethernet and Wi-Fi connections at the same time.


Connecting to wireless networks

The wireless network capability of the all-in-one lets you connect the all-in-one to wireless local area networks (commonly referred to as Wi-Fi networks, wireless LANs, or WLANs). In a WLAN, the mobile wireless module in your all-in-one communicates with a wireless router or a wireless access point.


 **NOTE:** To set up a WLAN and connect to the Internet, you need a broadband modem (either DSL or cable) (purchased separately), high-speed Internet service purchased from an Internet service provider, and a wireless router (purchased separately).

To connect to a wireless network:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.

 **NOTE:** The apps on the screen are arranged alphabetically.

2. Select **Wi-Fi**.
3. Select the **ON** button to turn the wireless radio on.
4. Select your WLAN from the list.

 **NOTE:** If no WLANs are listed, you may be out of range of a wireless router or access point.

5. If the WLAN is security-enabled, you are prompted to enter a security code. Type the code, and then:
 - If proxy is not required, select **Connect**.
 - If proxy is required, select **Show advanced settings**. Next to Proxy settings, select **None**, and then select **Manual**. Manually enter the proxy settings and select **Connect**.

Connecting to wired networks


Use a LAN connection if you want to connect the all-in-one directly to a router in your home (instead of working wirelessly), or if you want to connect to an existing network at your office.

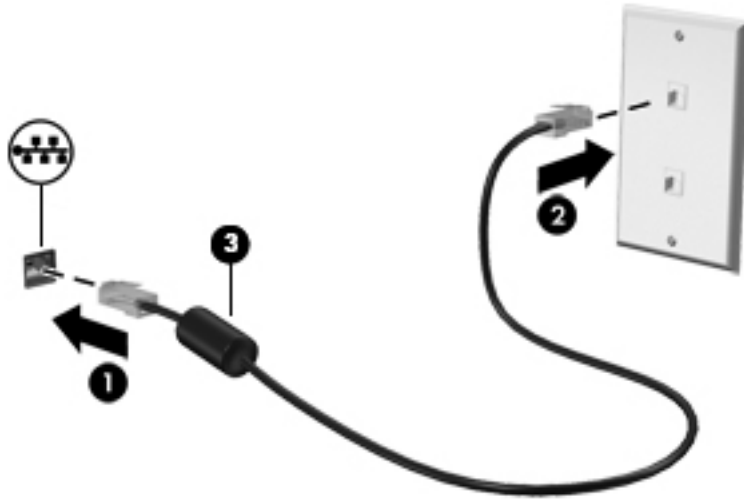
Connecting to a LAN requires an 8-pin, RJ-45 network cable.


To connect to a wired network:


1. Plug the network cable into the network jack **(1)** on the all-in-one.

2. Plug the other end of the network cable into a network wall jack (2) or router.

 **NOTE:** If the network cable contains noise suppression circuitry (3), which prevents interference from TV and radio reception, orient the circuitry end of the cable toward the all-in-one.



3. Select the All Apps icon  from the Home screen, and then select **Settings**.


 **NOTE:** The apps on the screen are arranged alphabetically.


4. Select **Ethernet configuration**.
5. Select the **ON** button.
6. Select **Obtain IP Address Automatically (DHCP)** or **Configure IP Address Manually**.
7. Next to Proxy settings, select **None**, and then select **Manual**.
8. Manually enter the **Proxy settings**.
9. Select the **Save** button.

Using Bluetooth

The all-in-one includes Bluetooth capability, which creates a personal area network (PAN) to connect to other Bluetooth enabled devices such as computers, phones, printers, headsets, speakers, and cameras. In a PAN, each device communicates directly with other devices, and devices must be relatively close together—typically within 10 meters (approximately 33 feet) of each other.

To pair a Bluetooth device:

1. To connect to a Bluetooth device, turn on the Bluetooth device.
2. Select the All Apps icon  from the Home screen, and then select **Settings**.

 **NOTE:** The apps on the screen are arranged alphabetically.

3. Select **Bluetooth**.
4. Select the **ON** button.
5. Select your device name to make it visible to all nearby Bluetooth devices.












6. To find available Bluetooth devices, select **SEARCH FOR DEVICES**.
7. Select the device, and follow the on-screen instructions to pair the device.

3 Using the Slate mode user interface

The Home screen is displayed when the all-in-one is powered on. An Android operating system uses apps to perform most tasks.

NOTE: The user interface icons for your operating system may look different from the icons shown in the user guide.



	Google apps		Kingssoft Office
	Google Chrome		Box
	Email		HP MyRoom
	Google calendar		Citrix apps
	Google Play Store		HP File Manager
	All apps		

The row of icons near the bottom of the screen provide quick access to popular apps.

Three navigation icons in the black area at the bottom of the screen perform the following functions:



Return to the previous screen.



Return to the Home screen.



Display a list of recently opened apps.

Managing files

HP File Manager is a file management application that provides file browsing, copying, cutting, renaming, printing and other functions on local storage/USB drives/SD Cards. If there are multiple applications installed that can open a file, HP File Manager allows you choose which app to use.

To access File Manager:

1. Select the **File Manager** icon from the Home screen.
2. Select the storage device in the left navigation column to access files and folders from that device.

Cloud storage and file sharing

Using Box.net

Box is an online file sharing and cloud content storage service that allows you to access, view, edit, and manage files on the cloud from your all-in-one. Your all-in-one comes with Box preinstalled and 50GB of free cloud storage.

To begin using Box:

1. Select the **Box** icon from the Home screen.
2. Follow the on-screen instructions to register with Box.


For more information on using Box, refer to <https://www.box.com/>

Using Google Drive

With preinstalled Google Drive, you can store all your files in one place, so you can access them from anywhere and share them with others.

To begin using Google Drive:

1. Select the All Apps icon  from the Home screen, and then select the **Drive** icon.

 **NOTE:** The apps on the screen are arranged alphabetically.

2. Follow the on-screen instructions.


For more information on using Google Drive, refer to <https://drive.google.com>.

Video conferencing

HP MyRoom is a preinstalled online meeting room. Connect with business colleagues “face to face” and collaborate with useful tools.

To get started with HP MyRoom:

1. Select the **HP MyRoom** icon from the Home screen.
2. Follow the on-screen instruction to create an account (all users must have an account).
3. Once you've logged into MyRoom, add contacts by clicking on the **Add Contact** button, then enter your contact's email address. After that person has accepted you as a contact, you'll be ready to connect in MyRoom.
4. Select the question mark button and then select **Documentation** for detailed instructions.

 **NOTE:** You can also video conference using Skype™ or Google Hangouts.

Using Kingsoft Office

Kingsoft Office allows you to create, view, edit, and save all documents used by Microsoft Word, Excel and PowerPoint. Sharing is made easy with the Email application that allows you to send documents as attachments, and to download and edit attachments. Furthermore, you can access Google Drive, Dropbox, Box.net and other services with WebDAV protocol.

To access Kingsoft Office:

1. Select the **Kingsoft Office** icon from the Home screen.
2. Use the menu icons at the top of the screen to open, create, and share files.

Using Citrix apps

You can use the preinstalled Citrix apps to turn your all-in-one into a virtual desktop. Access Citrix apps by selecting the **Citrix** icon on the Home screen.

Citrix Receiver

Citrix Receiver lets you access your enterprise files, applications, and desktops to help you be as productive on the go as you are in the office.

Experience simple and consistent file and app access from all of your devices and securely share files with anyone.

If your company doesn't use Citrix yet, you can see what it's like by using the demo at <http://citrixcloud.net>.

For more information about Citrix Receiver, go to <http://citrix.com/receiver>.

The following apps (GoToMeeting, GoToMyPC, and GoToAssist) are not preinstalled and must be downloaded from Citrix.

GoToMeeting

Increase your mobility by starting and attending GoToMeeting sessions on your Android device. GoToMeeting is the easiest and most convenient online meeting solution. Anywhere you take your Android device, you can now attend and start GoToMeeting sessions.

GoToMyPC

GoToMyPC gives you the freedom to go anywhere you choose and connect right to your Mac or PC. Enjoy easy remote access to your files, programs, and email and increase your productivity wherever you go.


GoToAssist

GoToAssist allows you to provide remote technical support directly from your Android device so that you can instantly connect to computers and solve clients' technical issues. Once logged in, tap on the device screen to create a support session when instructed to and have your user go to <https://www.fastsupport.com> and enter the remote support ID for your support session or send them an invitation to connect via email. Your user accepts the connection and you can begin to provide remote support.

Mobile Device Management (MDM)

The all-in-one is Citrix Ready and supports Citrix XenMobile for manageability. XenMobile MDM provides role-based management, configuration and security of corporate and user-owned devices, all running on a secure, enterprise MDM architecture. Among other things, IT can enroll and manage any device, blacklist or whitelist apps, detect jailbroken devices and do a full or selective wipe of a device that is out of compliance.

The all-in-one can also be managed with other MDM solutions, such as IronMobile, SCCM, and LANDesk.


To access Citrix XenMobile, select the All Apps icon  from the Home screen, and then select the **Citrix XenMobile MDM** icon.


For more information on XenMobile, refer to <http://www.citrix.com/products/xenmobile/overview.html>.

Using HP Classroom Manager (Student version)

The all-in-one includes HP Classroom Manager (Student version). The full HP Classroom Manager service, comprising Tutor and Student versions, enables teachers to control student applications, web access, and external devices; monitor student progress and activities; conserve power, exchange files, and reduce printing costs, and more! Service sold separately.

To access HP Classroom Manager:

1. Select the All Apps icon  from the Home screen, and then select the **HPCM Student** icon.


 **NOTE:** The apps on the screen are arranged alphabetically.

2. Follow the on-screen instructions to sign in to your classroom.




For more information on HP Classroom Manager, refer to <http://h20331.www2.hp.com/hpsub/cache/classmanager.html>.

Browsing the Internet

The all-in-one uses the Google Chrome or Browser App to browse the Internet. You must have Internet access to browse the Internet.

 **NOTE:** Google Chrome does not support plug-ins.

To browse the Internet:


1. Ensure that you have a live Internet connection from either a wireless network or an Ethernet cable (not provided) plugged into the all-in-one.
2. Select the Google Chrome icon  from the Home screen or select the All Apps icon  from the Home screen, and then select the Browser icon .
3. Use the browser to browse the Internet.

To clear browsing history in Google Chrome:


1. Open Google Chrome.
2. In the address bar, type `chrome:history`.
3. Select **Clear all browsing data**.


Playing media

Use the Play icon to open the app that lets you play music, videos, and view photos that you have stored on a USB flash media device or media card. You can also access the camera using the Play icon.


 **NOTE:** The audio file name and the folder(s) name can be any length but cannot include special characters or spaces in order for the file manager to recognize the audio file.

To play or view your media files:

1. Insert the media device that contains your media into the SD card reader or a USB port on the all-in-one.
2. Select the All Apps icon  from the Home screen, and then select the **HP Media Player** icon.

 **NOTE:** The apps on the screen are arranged alphabetically.


3. Select the icon for the media type you want to play or view.
4. Navigate to the desired media file.
5. Select the file to play it.
6. Use the controls at the bottom of the screen to stop, start, pause, change, or edit the file, as appropriate.


 **NOTE:** Music will continue to play unless you stop it from the music app.

Using the camera

You can use the camera to take a photo or record a video. You can preview and save the photo or video recording.

To use the camera:

1. Select the All Apps icon  from the Home screen, and then select **Camera**.

 **NOTE:** The apps on the screen are arranged alphabetically.


2. Use the controls on the right side of the screen to take photos or videos.


Printing

HP ePrint provides convenience printing, and documents printed with ePrint may appear different from the original. Style, formatting and text flow may differ slightly from the original document. For documents requiring a higher quality (such as legal documents), HP recommends that you print from the software application on your all-in-one where you will have more control over how your printouts appear.

HP ePrint lets you print from virtually anywhere to an HP printer that supports ePrint. Once enabled, ePrint assigns an email address to your printer. To print, simply send an email containing your document to your printer's address. For more information, visit <http://www.hp.com/go/ePrintCenter> for compatibility and details.

To configure HP ePrint:

1. Select the All Apps icon  on the Home screen, and then select **Settings**.

 **NOTE:** The apps on the screen are arranged alphabetically.


2. Select **Add account**.
3. Select **HP ePrint**.
4. Follow the on-screen instructions.

Printing in Browser

To print in Browser, select the **Menu** icon in the upper-right corner of the screen, and then select **Print**.

Adjusting the Android settings


To configure the settings, select the All Apps icon  on the Home screen, and then select **Settings**.


 **NOTE:** The apps on the screen are arranged alphabetically.

Date/time settings

The date/time settings allow you to set the date and time for the all-in-one.

To set the date and time:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **Date & time**.


 **NOTE:** You may have to scroll down the settings list to display **Date & time**.

3. To manually set date and time, clear the **Automatic date & time** box and the **Automatic time zone** box.
4. Select **Set date** to manually set the date.
5. Select **Set time** to manually set the time.

Security settings

Several security settings are available for your all-in-one.


To set up security settings:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **Security**.
3. Choose the setting to configure and follow the on screen instructions.

Screen lock


You can configure the screen on the all-in-one to lock after a period of inactivity. You can choose a specific action the user must perform to unlock the screen.


To configure the screen lock feature:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **Security**.
3. Select **Screen lock**.
4. Select the action required to unlock to the screen.


Encryption

You can encrypt your accounts, settings, downloaded apps and their data, media, and other files. Once you encrypt your all-in-one, you need to type a numeric PIN or password to decrypt it each time you power it on.

 **NOTE:** The encryption process can take a long time to complete.

 **CAUTION:** Once you set up encryption, the only way to remove it is to perform a factory data reset.


To set up encryption and a power-on password:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **Security**.
3. Select **Encrypt tablet**.
4. Follow the on-screen instructions.

Sound settings


The all-in-one offers DTS Sound+ that you can configure from the Settings screen.

To configure DTS Sound+ settings:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **DTS Sound+**.
3. Select the **ON** button to turn on DTS+ Sound.
4. Select the sound type.

Language


To change the language:


1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **Language & input**.
3. Select **Language**.
4. Select your language.

Updating the software

The all-in-one periodically checks for software updates automatically. However, you can manually check for updates as well.

To check for system updates:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.
2. Select **About tablet**.


 **NOTE:** You may have to scroll down the settings list to display **About tablet**.


3. Select **System updates**.
4. To check for updates, select the **Check Now** button and follow the on screen instructions.

Setting your language for the external keyboard

When setting up your all-in-one, do not connect the USB keyboard until you have reached the Slate mode Home screen.

To set up the keyboard language:


1. Connect the keyboard to one of the USB ports on the rear panel.
2. Select the All Apps icon  from the Home screen, and then select **Settings**.


 **NOTE:** The apps on the screen are arranged alphabetically.

3. Select **Language and Input**.
4. Under **Physical Keyboard**, select **Lite-On Technology Corp HP Android Wired Keyboard**.
5. On the resulting screen, select **Set up keyboard layouts**.
6. Select your language.
7. Select the **Home** icon to return to the Home screen.

Enabling input method editor (IME)

Additional virtual and external keyboard and input methods are available for Hebrew, Arabic, Thai, Korean, Pinyin, Chinese (ZhuYin), Chinese (ChanJie), and Japanese. To select a language:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.

 **NOTE:** The apps on the screen are arranged alphabetically.

2. Select **Language & input**.
3. Under **Keyboard & input methods**, select **More keyboards**.
4. Select **Default**, and then select **More keyboards**.
5. Select the **More keyboards** icon.
6. On the **More keyboard settings** menu, under **IME and keyboard settings**, select **Primary IME**, and then select your language.
7. Go back to the **More keyboard settings** menu. Under **IME and keyboard settings** select **Enable IME**, select your secondary language(s), and then select the **OK** button.

Helpful hints


To switch languages on the virtual keyboard:


- Press the selected language key or **EN/US** (English/US) key to toggle between the selected language and English.
- If you press and hold the language key, available languages display in a pop-up window.

Use the following key combinations to perform actions:

Key combination	Behavior
Caps lock	Switch from upper or lower case

Alt + Shift	Switch among enabled IME
Ctrl + Space	Switch between primary and secondary IME


To hide the virtual keyboard, click the keyboard icon 


To select handwriting in virtual mode for Traditional Chinese, Simplified Chinese, Korean, and Japanese, select the handwriting icon 

Changing the Home screen wallpaper

You can choose a wallpaper from preinstalled static or animated images, or from the Gallery.

To change the wallpaper displayed on your Home screen:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.


 **NOTE:** The apps on the screen are arranged alphabetically.

2. Select **Display**, and then select **Wallpaper**.
3. Choose your wallpaper from either **Gallery**, **Live Wallpapers**, or **Wallpaper**.
4. After choosing a wallpaper, select **Set wallpaper**.

Organizing apps on the Home screen

To add an app to the Home screen:

1. Select the All Apps icon  from the Home screen.

 **NOTE:** The apps on the screen are arranged alphabetically.


2. Touch and hold the app until the Home screen appears, slide it into place, and lift your finger.

To move an app icon to a different location on a Home screen:

1. Touch and hold the icon.
2. Slide your finger to the new position.
3. Lift your finger. The icon drops into its new position.

To remove an app from the Home screen:

1. Touch and hold the icon.
2. While holding the icon, drag it to the **Remove** icon at the top of the screen.

 **NOTE:** The Remove option is only available at the top of the screen if you are touching and holding an icon.


Backup & reset

You can configure the all-in-one to back up app data and restore backed up settings and data when reinstalling an app.

You can erase all personal data on the all-in-one.

Backup & restore

To configure backup and restore settings:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.




NOTE: The apps on the screen are arranged alphabetically.

2. Select **Backup & reset**.
3. Select the boxes next to the settings you want to enable.

Factory data reset

You can reset the all-in-one to its original factory data settings. This action erases all data from the internal storage of the all-in-one.

To reset to factory data:

1. Select the All Apps icon  from the Home screen, and then select **Settings**.




NOTE: The apps on the screen are arranged alphabetically.

2. Select **Backup & reset**.
3. Under **Personal Data**, select **Factory data reset**.
4. Select **Reset tablet**.









4 Using the On-Screen Display (OSD) menu in HDMI mode



Use the On-Screen Display (OSD) to adjust the screen image based on your viewing preferences. To access the OSD, do the following:

1. If the monitor is not already on, press the **Power** button to turn on the monitor.
2. If you are not in HDMI mode, switch to HDMI mode (see [Switching between Slate and HDMI modes on page 4](#) for more information).
3. To access the OSD Menu, press the Menu button on the monitor's front panel.
4. To navigate through the OSD Menu, press the **+** (Plus) button on the monitor's front panel to scroll up, or the **-** (Minus) button to scroll in reverse.
5. To select an item from the OSD Menu, use the **+** or **-** buttons to scroll to and highlight your selection, then press the **OK** button to select that function (the **OK** button may be different on your model).
6. Adjust the item using the **+** or **-** buttons on the front panel to adjust the scale.
7. After adjusting the function, select **Save and Return**, or **Cancel** if you don't want to save the setting, then select **Exit** from the Main Menu.

 **NOTE:** If the buttons remain untouched for 10 seconds while displaying a menu, the OSD automatically saves all changes and exits.

The following table lists the OSD Main menu items with a brief descriptions of each item.


Icon	Main Menu	Description
	Brightness	Adjusts the brightness level of the screen. The factory default range is 90.
	Contrast	Adjusts the contrast level of the screen. The factory default range is 80.
	Color	Selects and adjusts the screen color.
	Image Control	Adjusts the screen image.
	OSD Control	Adjusts the on-screen display (OSD) controls.
	Management	Selects the power management, audio, and timer features of the monitor.
	Volume	Adjusts the volume.
	Information	Selects and displays important information about the monitor.

Icon	Main Menu	Description
	Factory Reset	Returns all OSD menu settings and DDC/CI controls to the factory default settings, except the Language.
	Exit	Exits the OSD menu screen.

Power button lockout


The “Power Button Lockout” feature allows you to lock the power button so that it cannot be used. To lock the power button, press the Power button and Volume down button and Volume up button at the same time and hold them down for 10 seconds while the monitor is powered On. Upon locking the power button, an OSD message “Power Button Lockout” is displayed for 10 seconds. When the power button is locked and pressed, the OSD message “Power Button Lockout” is displayed for 10 seconds.

When the power button is locked, holding down the Power button and Volume down button and Volume up button at the same time for 10 seconds will unlock the power button functionality and turn off the monitor. When the power button is pressed, the monitor will remain On until the button is released. If the power button is locked and the monitor is Off, the power button will remain functional so the monitor can be powered On.

 **NOTE:** “Power Button Lockout” applies to both HDMI and Slate modes.

OSD lockout

The “OSD Lockout” feature allows you to lock the OSD so that the it cannot be accessed. To lock the OSD, press the Menu button and hold it down for 10 seconds. Upon locking the OSD, an OSD message of “OSD Lockout” is displayed for 10 seconds. When the OSD is locked and any OSD button is pressed, the OSD message “OSD Lockout” is displayed for an additional 10 seconds. When the OSD is locked, holding the Menu button for 10 seconds will unlock the OSD and display the Main Menu.

 **NOTE:** “OSD Lockout” applies to both HDMI and Slate modes.

5 Safety and maintenance guidelines

Important safety information

A power cord is included with the all-in-one. If another cord is used, use only a power source and connection appropriate for this all-in-one. For information on the correct power cord set to use with the all-in-one, refer to the [Power cord set requirements on page 44](#).

⚠ WARNING! To reduce the risk of electric shock or damage to the equipment:

- Do not disable the power cord grounding feature. The grounding plug is an important safety feature.
- Plug the power cord in a grounded (earthed) outlet that is easily accessible at all times.
- Disconnect power from the product by unplugging the power cord from the electrical outlet.

For your safety, do not place anything on power cords or cables. Arrange them so that no one may accidentally step on or trip over them. Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug.

To reduce the risk of serious injury, read the *Safety and Comfort Guide*. It describes proper workstation, setup, posture, and health and work habits for computer users, and provides important electrical and mechanical safety information. This guide is located on the Web at <http://www.hp.com/ergo> and/or on the documentation CD, if one is included with the all-in-one.

⚠ CAUTION: For the protection of the all-in-one, connect all power cords for the all-in-one and its peripheral devices to some form of surge protection device such as a power strip or Uninterruptible Power Supply (UPS). Not all power strips provide surge protection; the power strips must be specifically labeled as having this ability. Use a power strip whose manufacturer offers a Damage Replacement Policy so you can replace the equipment, if surge protection fails.

Use the appropriate and correctly sized furniture designed to properly support your HP all-in-one.

⚠ WARNING! All-in-ones that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause personal injury.

Care should be taken to route all cords and cables connected to the all-in-one so that they can not be pulled, grabbed, or tripped over.

Maintenance guidelines

To enhance the performance and extend the life of the all-in-one:

- Do not open the all-in-one cabinet or attempt to service this product yourself. Adjust only those controls that are covered in the operating instructions. If the all-in-one is not operating properly or has been dropped or damaged, contact an authorized HP dealer, reseller, or service provider.
- Use only a power source and connection appropriate for this all-in-one, as indicated on the label/back plate of the all-in-one.
- Be sure the total ampere rating of the products connected to the outlet does not exceed the current rating of the electrical outlet, and the total ampere rating of the products connected to the cord does not exceed the rating of the cord. Look on the power label to determine the ampere rating (AMPS or A) for each device.

- Install the all-in-one near an outlet that you can easily reach. Disconnect the all-in-one by grasping the plug firmly and pulling it from the outlet. Never disconnect the all-in-one by pulling the cord.
- Turn the all-in-one off when not in use. You can substantially increase the life expectancy of the all-in-one by turning off the all-in-one when not in use.



NOTE: All-in-one with a “burned-in image” are not covered under the HP warranty.

- Slots and openings in the cabinet are provided for ventilation. These openings must not be blocked or covered. Never push objects of any kind into cabinet slots or other openings.
- Do not drop the all-in-one or place it on an unstable surface.
- Do not allow anything to rest on the power cord. Do not walk on the cord.
- Keep the all-in-one in a well-ventilated area, away from excessive light, heat or moisture.
- When removing the all-in-one stand, you must lay the all-in-one face down on a soft area to prevent it from getting scratched, defaced, or broken.

Cleaning the all-in-one

1. Turn off the all-in-one and unplug the power cord from the back of the unit.
2. Dust the all-in-one by wiping the screen and the cabinet with a soft, clean antistatic cloth.
3. For more difficult cleaning situations, use a 50/50 mix of water and Isopropyl alcohol.



CAUTION: Spray the cleaner onto a cloth and use the damp cloth to gently wipe the screen surface. Never spray the cleaner directly on the screen surface. It may run behind the bezel and damage the electronics.

CAUTION: Do not use cleaners that contain any petroleum based materials such as benzene, thinner, or any volatile substance to clean the all-in-one screen or cabinet. These chemicals may damage the all-in-one.

Shipping the all-in-one

Keep the original packing box in a storage area. You may need it later if you move or ship the all-in-one.

6 Frequently asked questions

Question	Answer
How do I browse the Internet?	<p>Connect to a wired (Ethernet) or wireless (Wi-Fi) network and use one of the two pre-installed browser options.</p> <p>Once you have established an Internet connection, select the All apps icon  on the Home screen. Two browser options are available to choose from: Chrome and Browser. Touch one of the browser options to begin surfing the Internet.</p>
How do I install software, such as my favorite app?	<p>Find Android apps for your all-in-one in the Google Play Store (in English), an online marketplace featuring both free and paid downloadable content.</p>
How do I install Adobe Flash Player on my all-in-one?	<p>Go to http://helpx.adobe.com/flash-player/kb/installing-flash-player-android-devices.html for instructions.</p>
Can I use my all-in-one without an Internet connection?	<p>Yes, you can run some apps and media features offline.</p> <p>You can use some apps without an Internet connection. For example, the preinstalled HP Media Player app allows you to view images and photos, listen to music, and use the camera.</p>
How do I open files?	<p>You can open files with the app or apps they are associated with.</p> <p>You can also open files by selecting them in the HP File Manager application preinstalled on your all-in-one.</p>
Where do I save files on my all-in-one?	<p>You can use local storage, an SD memory card, a USB flash drive, or online (cloud) storage to save files.</p>
How do I print?	<p>Print wirelessly from your all-in-one using the HP ePrint app or Google Cloud Print.</p>
Can I connect a Bluetooth device to my all-in-one?	<p>Yes, many Bluetooth devices are compatible with your all-in-one.</p>
Where can I find the Wi-Fi MAC address of the all-in-one?	<p>The MAC address is listed in the About tablet section of the Settings menu, under Status.</p> <ol style="list-style-type: none">1. On the Home screen, select the All apps icon , and then select Settings.2. In the System section, select About tablet.3. Select Status. <p>The Wi-Fi MAC address is listed.</p>
Can I install a different operating system on my all-in-one?	<p>Android 4.3 is the only operating system supported on the all-in-one.</p>

7 Product support

For additional information on using your all-in-one, go to <http://www.hp.com/support>. Select your country or region, select **Troubleshooting**, and then enter “HP Slate 21 Pro” in the search window and click the **Go** button.



NOTE: The user guide, reference material, and drivers are available at <http://www.hp.com/support>.

The HDMI cable, Ethernet cable and Internet access are not provided.

If the information provided in the guide does not address your questions, you can contact support. For U.S. support, go to <http://www.hp.com/go/contactHP>. For worldwide support, go to http://welcome.hp.com/country/us/en/wwcontact_us.html.

Here you can:

- Chat online with an HP technician




NOTE: When support chat is not available in a particular language, it is available in English.

- Find support telephone numbers
- Locate an HP service center

Refer to hp.com for the latest version of software or documentation that might have become available between the manufacturing and delivery of your product. Applications for this product may not be available in all regions/countries.

8 Technical specifications

 **NOTE:** All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Specifications are subject to change. The complete and latest specifications on display products are available on <http://www.hp.com/support>.

HP Slate 21 Pro All-in-One

Maximum weight (unpacked)	5.97 kg (13.16 lbs)
Dimensions (include base)	
Height	36.6 cm (14.4 inches)
Depth	8.25 cm (3.25 inches)
Width	53.1 cm (20.9 inches)
Temperature ranges	
Operating Temperature	5°C to 35°C (41 to 95°F)
Non-operating Temperature	-20°C to 60°C (-4 to 140°F)
Humidity	
Operating (noncondensing)	20% to 80%
NonOperating (38.7°C maximum wet bulb temperature)	5% to 95%
Altitude	
Operating	0 to 5,000 m (0 to 16,400 feet)
Non-operating	0 to 12,192 m (0 to 40,000 feet)
Optimum graphic resolution	1920 × 1080
Power source	100 - 240 VAC 50/60 Hz
Processor speed	Quad-Core 1.66 GHz (Dual-Core/Single-Core mode up to 1.8 GHz)
Flash Storage	16 GB
Memory	2GB DDR3–800 MHz SDRAM
HDMI	One port
USB 2.0 ports	3 downstream and 1 upstream
Combined audio out and microphone	Headphones/headset support
Operating system	Android 4.3
Image / component updates	OverTheAir (OTA) software updates
Internet solution (browser)	Google Chrome and Android browser
Video player	Support

Audio player	Support
Photo frame	Support
Video codecs	H.263, DivX, H.264 AVC, MPEG-4, VP8
Video container	.mp4, .3gp, .divx, .mkv, .m4v, .mov, .ts, .webm
Audio codecs	AAC, AMR, FLAC, MP3, MIDI, Vorbis, PCM/WAVE, MP2, AC-3, DTS
Audio container	.mp4, .m4a, .m4b, .aac, .amr, .flac, .mp3, .mid, .xmf, .mxmf, .rtttl, .rtx, .ota, .my, .ogg, .wav, .mp2, .3gp, .3g2
Image codecs	JPEG, GIF, PNG, BMP, WEBP
Image container	.jpg, .jpeg, .gif, .png, .bmp, .webp
Productivity - document handler	Kingsoft Office
External input device	Secure Digital (SD) card reader
VESA mounting	100 mm × 100 mm

For a list of recommended USB and card reader storage devices consult the HP Slate 21 Pro All-in-One Quickspecs.



NOTE: HP recommends that the storage device is formatted FAT16/32, ExFAT, or NTFS.

Energy saver feature

The all-in-one supports a reduced power state. The reduced power state will be entered into after a period of inactivity. The all-in-one screen is blanked, the backlight is turned off, and the power light on the power button blinks. When the all-in-one is in the reduced power state, the all-in-one will utilize less than one watt of power. There is a brief warm up period before the all-in-one will return to its normal operating mode.

A Agency regulatory notices

One or more integrated wireless devices may be installed. In some environments, the use of wireless devices may be restricted. Such restrictions may apply on-board airplanes, in hospitals, near explosives, in hazardous locations, and so on. If you are uncertain of the policy that applies to the use of this product, ask for authorization to use it before you turn it on.

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.

Products with wireless LAN devices

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

⚠ WARNING! Exposure to Radio Frequency Radiation The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation of tablet PCs and notebook computers.

To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antennas should not be less than 20 cm (8 inches), including when the computer display is closed. To identify the location of the wireless antennas, refer to the computer user guides included with your computer.

⚠ CAUTION: When using IEEE 802.11a wireless LAN, this product is restricted to indoor use, due to its operation in the 5.15- to 5.25-GHz frequency range. The FCC requires this product to be used indoors for the frequency range of 5.15 GHz to 5.25 GHz to reduce the potential for harmful interference to co-channel mobile satellite systems. High-power radar is allocated as the primary user of the 5.25- to 5.35-GHz and 5.65- to 5.85-GHz bands. These radar stations can cause interference with and/or damage to this device.

Brazil notice

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Este equipamento atende aos limites de Taxa de Absorção Específica referente à exposição a campos elétricos, magnéticos e eletromagnéticos de radiofrequências adotados pela ANATEL.

Canadian notices

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations, CAN ICES-3(B)/NMB-3(B). If this device has WLAN or Bluetooth capability, the device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠ WARNING! Exposure to Radio Frequency Radiation: The radiated output power of this device is below the Industry Canada radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

To avoid the possibility of exceeding the Industry Canada radio frequency exposure limits, human proximity to the antennas should not be less than 20 cm (8 inches), including when the computer display is closed. To identify the location of the wireless antennas, refer to the computer user guides included with your computer.

⚠ CAUTION: When using IEEE 802.11a wireless LAN, this product is restricted to indoor use, due to its operation in the 5.15- to 5.25-GHz frequency range. Industry Canada requires this product to be used indoors for the frequency range of 5.15 GHz to 5.25 GHz to reduce the potential for harmful interference to co-channel mobile satellite systems. High-power radar is allocated as the primary user of the 5.25- to 5.35-GHz and 5.65- to 5.85-GHz bands. These radar stations can cause interference with and/or damage to this device.

The antennas for this device are not replaceable. Any attempt at user access will damage your computer.

European Union regulatory notices

Products bearing the CE marking comply with one or more of the following EU Directives as may be applicable:



- Low Voltage Directive 2006/95/EC; EMC Directive 2004/108/EC; Ecodesign Directive 2009/125/EC; R&TTE Directive 1999/5/EC; RoHS Directive 2011/65/EU
- Compliance with these directives is assessed using applicable European Harmonised Standards.
- The full Declaration of Conformity can be found at the following web site: <http://www.hp.eu/certificates>.
- (Search with the product model name or its Regulatory Model Number (RMN), which may be found on the regulatory label.)

The point of contact for regulatory matters is Hewlett-Packard GmbH, Dept./MS:HQ-TRE, Herrenberger Strasse 140, 71034 Boeblingen, GERMANY.

Products with wireless functionality (EMF)

This product meets international guidelines (ICNIRP) for exposure to radio frequency radiation.

This product incorporates a radio transmitting and receiving device. For notebook computers in normal use, a separation distance of 20 cm ensures that radio frequency exposure levels comply with EU requirements. Products designed to be operated at closer proximities, such as tablet computers, comply with applicable EU requirements in typical operating positions, but a minimum distance of 1 cm should be maintained from the antennas.

Restrictions for product with wireless functionality

This product is designed for use without restrictions in all EU countries, plus Iceland, Liechtenstein, Norway, and Switzerland.

German ergonomics notice

HP products which bear the “GS” approval mark, when forming part of a system comprising HP brand computers, keyboards and monitors that bear the “GS” approval mark, meet the applicable ergonomic requirements. The installation guides included with the products provide configuration information.

Australia and New Zealand notice

This equipment incorporates a radio transmitting and receiving device. In normal use, a separation distance of 20 cm ensures that radio frequency exposure levels comply with the Australian and New Zealand Standards.

Japanese notices

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。

- 1 この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局が運用されていないことを確認して下さい。
- 2 万一、この機器から移動体識別用の構内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談して下さい。
- 3 その他、この機器から移動体識別用の特定小電力無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、次の連絡先へお問い合わせ下さい。

連絡先：日本ヒューレット・パッカー株式会社 TEL：0120-014121

5 GHz帯を使用する特定無線設備（802.11a相当）は屋内使用に限られています。この機器を屋外で使用する場合は電波法で禁じられています。

Wireless LAN, Wireless WAN, and Bluetooth certification markings

この製品には、認証済みの無線機器を搭載しています。

This product contains certified radio equipment.



South Korean notices

B급 기기
(가정용 방송통신기기)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음 (무선모듈제품이 설치되어 있는 경우).

Mexico notice

Declaración para México

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Taiwan NCC notices

Wireless LAN 802.11a devices

在5.25G ~5.35G頻帶內操作之無線
資訊傳輸設備僅適於室內使用

Wireless LAN 802.11 devices/Bluetooth devices/Short range devices

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Power cord set requirements

The all-in-one power supply is provided with Automatic Line Switching (ALS). This feature allows the all-in-one to operate on input voltages between 100–120V or 200–240V.

The power cord set (flexible cord or wall plug) received with the all-in-one meets the requirements for use in the country where you purchased the equipment.

If you need to obtain a power cord for a different country, you should purchase a power cord that is approved for use in that country.

The power cord must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product. In addition, the cross-sectional area of the wire must be a minimum of 0.75 mm² or 18 AWG, and the length of the cord must be between 6 feet (1.8 m) and 12 feet (3.6 m). If you have questions about the type of power cord to use, contact an authorized HP service provider.

A power cord should be routed so that it is not likely to be walked on or pinched by items placed upon it or against it. Particular attention should be paid to the plug, electrical outlet, and the point where the cord exits from the product.

Japanese power cord requirements

For use in Japan, use only the power cord received with this product.

 **CAUTION:** Do not use the power cord received with this product on any other products.

Product environmental notices

ENERGY STAR® qualification

As an ENERGY STAR® Partner, Hewlett Packard Company has followed the EPA's enhanced product qualification and certification process to ensure that the products marked with the ENERGY STAR® logo are ENERGY STAR® qualified per the applicable ENERGY STAR® guidelines for energy efficiency.

The following ENERGY STAR® certification mark appears on all ENERGY STAR® qualified displays:



The ENERGY STAR® program specifications for displays and computers were created by the EPA to promote energy efficiency and reduce air pollution through more energy-efficient equipment in homes, offices, and factories. One way products achieve this goal is by using the Microsoft Windows power management feature to reduce power consumption when the product is not in use.

The power management feature enables the computer to initiate a low-power or “sleep” mode after a period of user inactivity. When used with an external ENERGY STAR® qualified display, this feature also supports similar power management features for the display. To take advantage of these potential energy savings, users should use the default power management settings that are provided with ENERGY STAR qualified computers and displays. The default power management settings on ENERGY STAR® qualified computers are preset to behave in the following ways when the system is operating on AC power:

- Turn off an external display after 15 minutes of user inactivity
- Initiate a low power sleep mode for the computer after 30 minutes of user inactivity

ENERGY STAR® qualified computers exit the low power sleep mode and ENERGY STAR® qualified displays resume operation when the user resumes use of the computer. Examples include the user pressing the power/sleep button, receiving an input signal from an input device, receiving an input signal from a network connection with the Wake On LAN (WOL) feature enabled, etc.

Additional information on the ENERGY STAR® program, its environmental benefits and the potential energy and financial savings of the power management feature can be found on the EPA ENERGY STAR® Power Management Web site at <http://www.energystar.gov/powermanagement>.

Materials disposal

Some HP LCD monitors contain mercury in the fluorescent lamps that might require special handling at end-of-life.

Disposal of this material can be regulated because of environmental considerations. For disposal or recycling information, contact the local authorities or the Electronic Industries Alliance (EIA) <http://www.eiae.org>.

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.

HP recycling program

HP encourages customers to recycle used electronic hardware, HP original print cartridges, and rechargeable batteries. For more information about recycling programs, go to <http://www.hp.com/recycle>.

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 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>.

2008年、日本における製品含有表示方法、JISC0950が公示されました。製造事業者は、2006年7月1日以降に販売される電気・電子機器の特定化学物質の含有につきまして情報提供を義務付けられました。製品の部材表示につきましては、www.hp.com/go/jisc0950を参照してください。

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》

液晶显示器

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)
液晶显示器显示面板	X	○	○	○	○	○
机箱/其它	X	○	○	○	○	○

CRT 显示器

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)
阴极射线管	X	○	○	○	○	○
机箱/其它	X	○	○	○	○	○

O: 表示该有毒或有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

X: 表示该有毒或有害物质至少在该部件所用的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

表中标有“X”的所有部件都符合欧盟 RoHS 法规 — “欧洲议会和欧盟理事会 2003 年 1 月 27 日关于电子电器设备中限制使用某些有害物质的 2002/95/EC 号指令”。

注: 环保使用期限的参考标识取决于产品正常工作的温度和湿度等条件。

Turkey EEE regulation

In Conformity with the EEE Regulation

EEE Yönetmeliğine Uygundur

Ukraine restriction of hazardous substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of December 3, 2008 No. 1057, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.