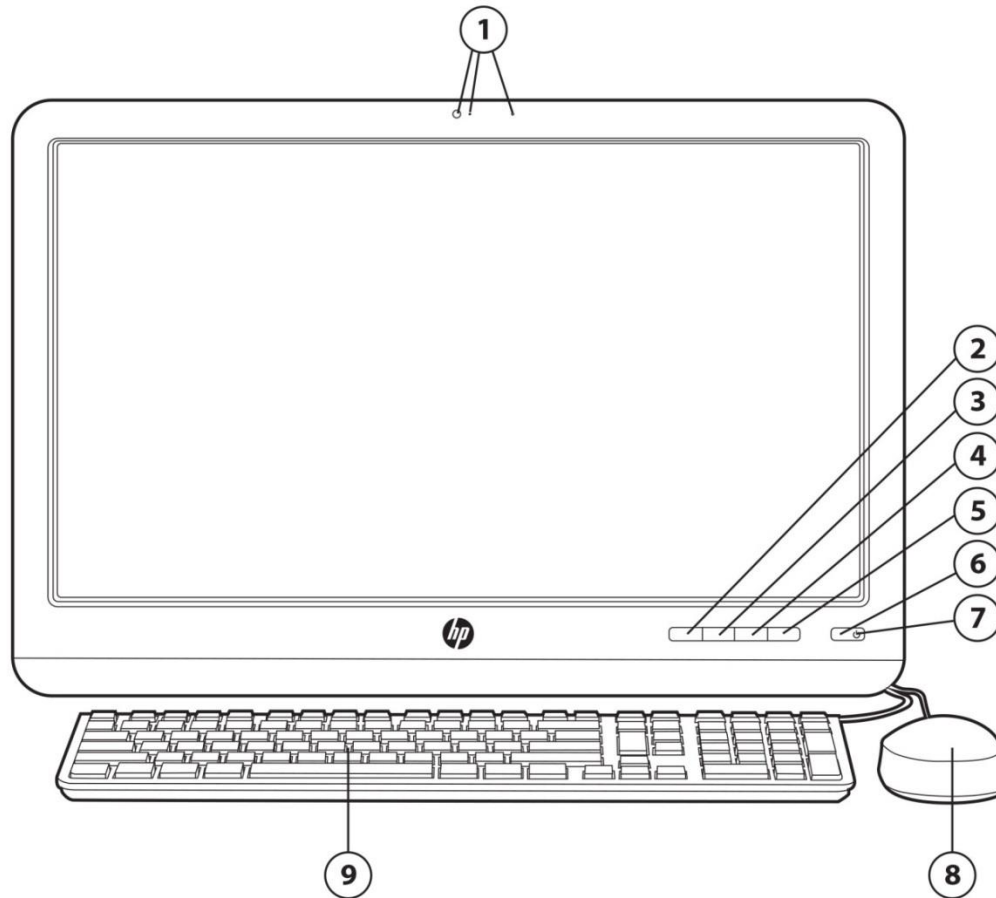


### Overview

### HP Slate<sup>21</sup> Pro All-in-One Desktop PC



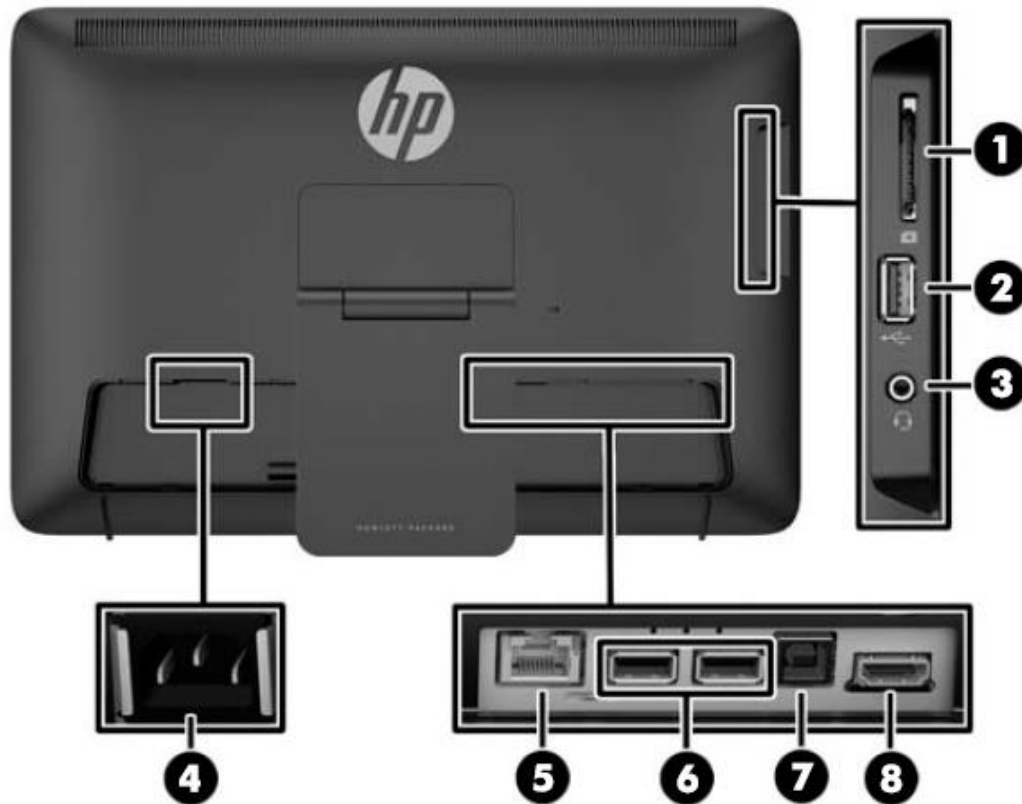
#### Component

1. Integrated 720p webcam with dual microphones
2. Settings/Menu button
3. Volume up/Minus button
4. Volume down/Plus button
5. Source/OK button
6. Power button
7. Power LED
8. USB mouse (included in select regions only)
9. USB keyboard (included in select regions only)

#### Function

- Records video and captures still photographs; microphones record sound
- Settings: Opens the Settings in Slate mode  
Menu: Opens the OSD in HDMI mode
- Volume up: Increases volume in Slate and HDMI modes  
Minus: If the OSD menu is active in HDMI mode, press to navigate backward through the OSD menu and decrease adjustment levels
- Volume down: Decreases volume in Slate and HDMI modes  
Plus: If the OSD menu is active in HDMI mode, press to navigate forward through the OSD menu and increase adjustment levels
- Source: Switches between Slate and HDMI modes  
OK: If the OSD menu is active in HDMI mode, press to select the highlighted menu item
- Turns the all-in-one on and off
- Indicates the current power state of the unit
- Wired mouse connects to USB port on rear panel
- Wired keyboard connects to USB port on rear panel

### Overview



#### Component

1. SD card reader
2. USB 2.0 connector
3. Audio-out (headphone) jack
4. Power connector
5. Ethernet connector
6. USB 2.0 connectors
7. USB upstream connector
8. HDMI connector

#### Function

- Reads data from and writes data to Secure Digital (SD) memory cards
- Connects external USB devices to the all-in-one
- Produces sound when connected to optional powered stereo speakers, headphones, earbuds, or a headset
- Connects the power cord to the all-in-one
- Connects an Ethernet cable to the all-in-one
- Connect external USB devices to the all-in-one
- Connects a USB cable between a PC and the all-in-one (required for touch functionality in HDMI mode when connected to a PC)
- Connects an HDMI device, such as a PC, camera, or DVD player

### Overview

#### Models

HP Slate21 Pro All-in-One 200k: F7U54AA - with Keyboard and mouse\*

HP Slate21 Pro All-in-One 200s: G0W16AA - without Keyboard and mouse\*\*

\* Not available in EMEA

\*\* Available in EMEA only

### At A Glance

- Android 4.3, Jelly Bean operating system
- 21.5" diagonal IPS full HD widescreen LED-backlit touch-enabled (1920 x 1080)
- Integrated All-in-One form factor
- NVIDIA® Tegra® 4 Quad-Core processor
- NVIDIA® graphics
- 2 GB of DDR3 memory
- 16GB of eMMC Flash storage<sup>1</sup>
- HD Webcam with built-in microphone
- Integrated 10/100 Ethernet
- Wireless connectivity - 802.11a/b/g/n wireless
- Bluetooth 4.0
- HDMI input
- USB keyboard and mouse (included in select regions only)
- Integrated speakers
- SD card reader
- GPS

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<sup>1</sup> 12.4GB is available for user. Total flash storage used for OS, preinstalled apps, recovery is up to 3.6GB.

### Technical Specifications

<b>Processor</b>	Nvidia Tegra 4 Quad-Core T40S	
<b>Processor Speed</b>	Quad-Core 1.66 GHz (Dual-Core/Single-Core mode up to 1.8 GHz)	
<b>Chipset</b>	ARM Cortex-A15 Mpcore	
<b>Operating System</b>	<b>Preinstalled</b>	Android 4.3, Jelly Bean
<b>Graphics</b>	Integrated NVIDIA GPU (72 cores)	
<b>Display</b>	21.5" (54.6 cm) diagonal IPS full HD widescreen LED-backlit touch-enabled	
	<b>Resolution</b>	1920 x 1080 resolution (16:9)
	<b>Contrast ratio</b>	1000:1 typical
	<b>Image brightness</b>	220 nits typical
	<b>Viewing angle (typical)</b>	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	<b>Touchscreen</b>	2 point optical touchscreen that uses 3 cameras
	<b>Pixel pitch</b>	0.2479 mm
	<b>Response Time (Avg.)</b>	14 ms
	<b>NOTE:</b> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
<b>Adjustable Tilt Stand</b>	Tilt/recline	15 to 70 degrees
<b>Memory</b>	<b>Standard</b>	2GB DDR3-800 MHz SDRAM
	<b>NOTE:</b> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
<b>Communications</b>	Integrated 10/100 Ethernet 802.11 a/b/g/n wireless Bluetooth 4.0 Wi-Fi Direct GPS	
<b>IO Devices</b>	HP USB Keyboard (black) - (included in select regions only) <ul style="list-style-type: none"><li>• Wired</li><li>• USB</li></ul> HP USB Optical Scroll Mouse (black) - (included in select regions only)	

### Technical Specifications

- Wired
- USB

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<b>Storage</b>	<b>Flash storage</b>	16 GB eMMC <sup>2</sup>
	<b>Media Card Reader</b>	SD Media Card Reader

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<b>Ports</b>	<b>Side I/O Ports</b>	One (1) USB 2.0 port One (1) Headphone-microphone combo out (disables integrated speakers) One (1) SD Card reader
	<b>Rear I/O Ports</b>	Two (2) USB 2.0 ports One (1) RJ45 network connection One (1) HDMI input One (1) USB 2.0 upstream port

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<b>Audio/Visual</b>	DTS Sound + integrated audio (2) Integrated stereo speakers – 2W x 2W Integrated Webcam (720p HD ) with built-in microphone Headphone-microphone combo out (disables integrated speakers)
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### Software **Preinstalled (varies by country)**

#### **HP apps**

HP ePrint  
HP MyRoom  
HP Media Player  
HP File Manager  
HP Printer Control  
HP in-OS Print  
HP Classroom Manager(Student Version)

#### **3<sup>rd</sup> party apps**

KingSoft (WW )  
Kingsoft (Japan)  
Box (50GB free cloud storage offer)<sup>6</sup>  
Skype  
Adobe PDF reader  
Citrix Receiver  
Citrix Worx (30-day Citrix Xenmobile trial offer)<sup>7</sup>  
Evernote (WW)  
Splashtop Personal  
Hulu Plus (NA Only)

<sup>2</sup> 12.4GB is available for user. Total flash storage used for OS, preinstalled apps, recovery is up to 3.6GB.

### Technical Specifications

RenRen (China only)  
Sina Weibo (China only)  
Tudou (China only)  
Youku (China only)  
Baidu Browser (China only)  
Baidu Map (China only)  
Baidu Search (China only)  
QQ (China only)  
Tencent MyApp (China only)

#### **Google Apps**

Google Play Store  
Chrome Browser  
Google Hangouts  
Google Drive  
YouTube  
Calendar Sync  
Contact Sync  
Gmail  
Google Play Books  
Google Calendar  
Google Maps for Mobile  
Google Play Music  
Google Play Videos  
Google Play Magazines  
Google Play Games  
Google Partner Setup  
Google Search  
Google Services Framework  
Google Gallery  
Google Street View  
Google Voice Search  
Config Updater  
Market Updater  
Media Uploader  
Network Location Provider  
Set Up Wizard  
Widevine  
News & Weather

#### **Other Software**

NTFS and exFAT support  
IME support

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<b>Power Supply</b>	Integrated Power Supply. 100-240 V, 50/60 Hz, 1.5 (1,5A). 1.9m power cord included
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<b>Security Lock-Ready</b>	Yes
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### Technical Specifications

<b>VESA External Mounting</b>	Yes (one set of standard 4-hole pattern, 100 mm)
<b>Country of Origin</b>	China
<b>Cables included</b>	1.8 m USB cable* 1.9 m power cable  * Not available in EMEA
<b>Service and Support</b>	Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services <sup>1</sup> are extended service contracts that extend your protection beyond the standard warranties.

<b>System Unit</b>	<b>Dimensions (unpacked) (WxDxH)</b>	20.9 x 3.25 x 14.4 in 53.1 x 8.25 x 36.6 cm		
	<b>Weight (unpacked)</b>	13.6 lbs / 5.97 kgs		
	<b>Shipping Carton Dimensions (W x D x H)</b>	24.6 x 8.3 x 17.8 in 62.4 x 21.1 x 45.2 cm		
	<b>Shipping Carton Weight</b>	With keyboard and mouse	20.2 lbs / 9.2 kgs	
		Without keyboard and mouse	13.13 lbs / 5.96 kgs	
	<b>Pallet (30 units) Dimensions (WxDxH)</b>	47.24 x 39.37 x 87.80 in 120 x 100 x 223.8 cm		
	<b>Pallet (30 units) Weight</b>	630 lbs / 287 kgs		
	<b>Stand-Alone Power Requirements</b>	Electrical Ratings	100-240 V, 50/60 Hz	
		Idle Operating Power	20W	
		Max Operating Power	<40W	
<b>Temperature</b>	Operating*	41° to 95° F (5° to 35° C)		
	Non-operating	-4° to 140° F (-20° to 60° C)		
<b>Relative Humidity</b>	Operating (non-condensing)	25% to 80%		
	Non-operating (38.7° C maximum wet bulb temperature)	5% to 95%		
<b>Altitude (unpressurized)</b>	Operating	0 to 16,400 ft (0 to 5000 m)		
	Non-operating	0 to 40,000 ft (0 to 12,192 m)		

### Technical Specifications

<b>Industry Standard Certifications</b>	ENERGY STAR®	Yes
	EPEAT® Gold <sup>2</sup>	Yes
	CEL Grade 1	Yes (APJ only)
	WW Safety and EMC certifications	Yes
<b>Citrix Certifications</b>	Citrix ready	Yes
	HDX verified	Yes
<b>Environmental</b>	Low Halogen <sup>3</sup>	Yes ( <i>External accessories, including power supplies, power cords, and peripherals may not be Low Halogen.</i> )
	Arsenic-free display glass <sup>4</sup>	Yes
<b>Color</b>	Black	

For accessibility information on HP products, please visit: <http://www.hp.com/accessibility>.

\* Operating temperature is de-rated 1.0 deg C per 300 m (1000 ft) to 3000 m (10,000 ft) above sea level, no direct sustained sunlight. Maximum rate of change is 10 deg C/Hr. The upper limit may be limited by the type and number of options installed.

### Accessories (sold separately)

#### **HP LCD Monitor Quick Release Part number EM870AA<sup>5</sup>**

An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document.

#### **HP Single Monitor Arm Part number BT861AA**

The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 75 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day.

#### **HP Ultralim Keyed Cable Lock Part number H4D73AA**

Designed to fit industry standard lock slot. Push-to-lock feature for fast and easy installation, Lock and unlock the locking mechanism with a key that is unique to the lock. Cable adjusts 360 degrees to wherever you need it.

#### **HP Notebook Combo Lock Part number AY475AA**

Durable 360 degree swivel hinge head allows for easier installation and removal. Features a 4-digit user-settable combination with up to 10,000 possible settings. Reset function if combination is lost or forgotten.

#### **HP Basic Capacitive Stylus Part number E7U18AA**

Smoothly interact with your touch screen capable notebook, desktop or tablet with HP's economical Basic Capacitive Stylus. Enjoy the natural feel as holding your favorite pen while navigating the Web or apps, writing or



### Technical Specifications

<p><b>HP Executive Capacitive Stylus</b> Part Number E7U19AA</p>	<p>drawing. Keep your screen clean of fingerprints, smudges, and scratches – even works with a screen protector.</p> <p>Keep your touchscreen device clean of fingerprints and smudges with HP’s Executive Capacitive Stylus – perfect for touch screen capable notebooks, tablets, and desktop screens. Versatile – type, draw, touch type or simply browse the Web or your favorite apps effortlessly – even works with screen protectors.</p>
<p><b>HP Pocket Playlist</b> Part Number H4D65AA</p>	<p>The revolutionary HP Pocket Playlist streams different kinds of content<sup>8</sup>— movies, music, TV shows, photos— to up to 5 individual mobile devices at the same time.<sup>9</sup> No Internet required; it won’t eat up your data plan.</p>
<p><b>HP Height-adjustable Stand for Touch Monitors</b> Part Number A1X81AA</p>	<p>Ruggedized, small footprint maximizes space. Height and tilt adjustments help you customize positioning to best meet your environment’s needs</p>
<p><b>HP 2.4 GHz Keyboard and Mouse - G1K29AA</b></p>	<p>Work smarter with your notebook, tablet or all-in-one by adding the HP 2.4 GHz Keyboard and Mouse for fast and easy data entry, Web navigation, and document scrolling.</p>

### Environmental Data

<p><b>Eco-Label Certifications &amp; declarations</b></p>	<p>This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:</p> <ul style="list-style-type: none"> <li>• IT ECO declaration.</li> <li>• US ENERGY STAR®</li> <li>• EPEAT Gold registered in the United States. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status in your country.</li> </ul>
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**System Configuration** The configuration used for the Energy Consumption and Declared Noise Emissions data for the Desktop model is based on a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.

<p><b>Energy Consumption (in accordance with US ENERGY STAR® test method)</b></p>	<p><b>115VAC, 60Hz</b></p>	<p><b>230VAC, 50Hz</b></p>	<p><b>100VAC, 60Hz</b></p>
<p>Normal Operation (Short idle)</p>	<p>22.5 W</p>	<p>22.4 W</p>	<p>22.5 W</p>
<p>Normal Operation (Long idle)</p>	<p>4.6 W</p>	<p>4.9 W</p>	<p>4.5 W</p>
<p>Sleep</p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

### Technical Specifications

Off	0.3 W	0.3 W	0.4 W
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**NOTE:**

Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.

<b>Heat Dissipation*</b>	<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 60Hz</b>
Normal Operation (Short idle)	77 BTU/hr	77 BTU/hr	77 BTU/hr
Normal Operation (Long idle)	16 BTU/hr	17 BTU/hr	15 BTU/hr
Sleep	NA	NA	NA
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

**\* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.**

**Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)**

Typically Configured - Idle  
Fixed Disk - Random writes

Sound Power (LWAd, bels)	Sound Pressure (LpAm, decibels)
NA	18
NA	18

**Longevity and Upgrading**

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

- 6 USB ports
- 2 memory slots
- 1 Mini PCIe half-length slot
- 1 MXM 3.0 Type A - 35W slot
- 1 mSATA slot
- 1 2.5" internal bay supporting up to Two 2.5" hard drives (HDD/SSD/SED/SSHD)
- 1 5.25" external supporting optical drive

Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.

**Batteries Additional Information**

Product Does not contain batteries

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.

### Technical Specifications

- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.
- This product contains 16.8% post-consumer recycled plastic (by wt.)
- This product is 98.3% recycle-able when properly disposed of at end of life.

#### Packaging Materials

<b>External:</b>	PAPER/Paper	1308 g
<b>Internal:</b>	PLASTIC/EPS (Expanded Polystyrene)	430 g
	PLASTIC/EPE-Expanded Polyethylene	26 g
	PLASTIC/Plast. Other	4.7 g

The PAPER/Paper packaging material contains at least 80 % recycled content.

The PLASTIC/EPS (Expanded Polystyrene) packaging materials contains at least 31% recycled content.

The PLASTIC/Polyethylene low density packaging materials contains at least 5% recycled content.

#### Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at:

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf>):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBEBs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)

### Technical Specifications

- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

#### **Packaging Usage**

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

#### **End-of-life Management and Recycling**

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/go/reuse-recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

#### **Hewlett-Packard Corporate Environmental Information**

For more information about HP's commitment to the environment:

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www8.hp.com/us/en/hp-information/environment/ecolabels.html>

ISO 14001 certificates:

[http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC\\_GBU\\_Product\\_Design\\_ISO\\_14K\\_Certificate.pdf](http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf)

and

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf>

### Technical Specifications

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1. HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at <http://www.hp.com/go/lookuptool>. Additional HP Care Pack Services information by product is available at <http://www.hp.com/hps/carepack>.
2. EPEAT® Gold registered models of this product are available where HP registers commercial display products. See [www.epeat.net](http://www.epeat.net) for registration status in your country.
3. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
4. Arsenic and its compounds were not detected using US EPA Test Methods 3052 & 3052/6010b by ICP or ICP-AES with a with a Method Detection Limit of 10 ppm.
5. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.
6. You can try MyRoom Premium 4-person account free for 1 year from the MyRoom app. Please review the MyRoom system requirements on this site. Purchase required after the 1-year trial offer ends. For additional capabilities, you can purchase MyRoom that will work for your needs from [www.myroom.hp.com](http://www.myroom.hp.com).
7. Citrix Worx Home for Android is pre-installed and ready to be managed by Citrix XenMobile. Customers who have already purchased Citrix XenMobile can enroll immediately. A 30-day Citrix XenMobile trial is available through the Citrix icon on the HP Slate21 Pro home screen. Subscription service required after trial period ends.
8. Streams unencrypted content only.
9. Battery life depends on usage.

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February 2014

### Summary of changes

<b>Change Log</b>	
<b>April 11, 2014</b> - From Version April 10 to April 11	
	<b>Added</b>
	Added in description of Models. HP Slate21 Pro All-in-One 200k: F7U54AA - with Keyboard and mouse HP Slate21 Pro All-in-One 200s: GOW16AA - without Keyboard and mouse
<b>April 10, 2014</b> - From Version April 7 to April 10	
	<b>Added</b>
	HP 2.4 GHz Keyboard and Mouse - G1K29AA, Work smarter with your notebook, tablet or all-in-one by adding the HP 2.4 GHz Keyboard and Mouse for fast and easy data entry, Web navigation, and document scrolling.
<b>April 10, 2014</b> - From Version April 7 to April 10	
	<b>Added</b>
	Change Log
<b>July 1, 2014</b> - From Version 2.3 to 2.4	
	<b>Added Pixel pitch and response time</b>
	<b>Added under display</b>
<b>July 16, 2014</b> - From Version 2.4 to 8	
	<b>Upgrade</b>
	<b>Change the version so it would match the one in the PB</b>
<b>August 4, 2014</b> From version 8 to version 9	
	<b>Added</b>
	Added GPS to “at a glance” and “communication” section
<b>August 22, 2014</b> From version 9 to version 10	
	<b>Added</b>
	Added disclaimer that the USB cable is not included in EMEA