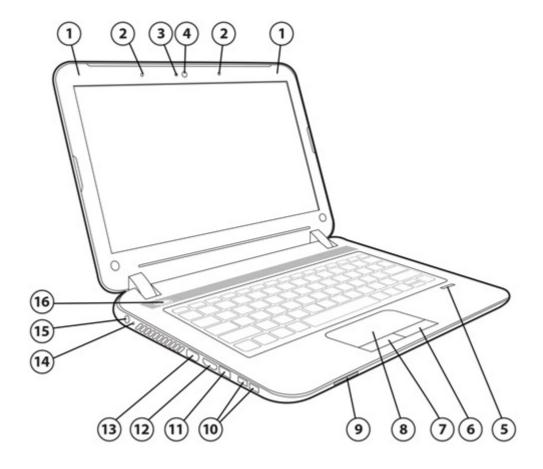
Overview

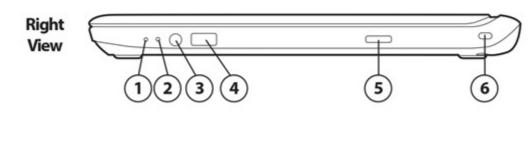


- 1. WLAN antennas (select models only)
- 2. Internal microphones
- 3. Webcam LED
- 4. HP HD Webcam
- 5. Finger print reader (select models only)
- 6. Touchpad with scroll zone
- 7. Right TouchPad button
- 8. Left TouchPad button

- 9. SD Card reader
- 10. USB 3.0 ports (2)
- 11. RJ-45 (Ethernet)
- 12. HDMI port
- 13. VGA port
- 14. AC Plug LED
- 15. Power connector
- 16. Power button



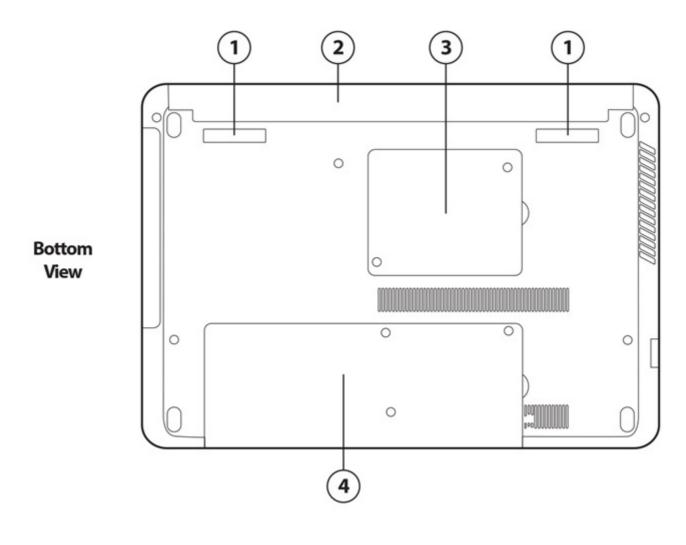
Overview



- 1. Duplicate power LED
- 2. Hard drive LED
- 3. Headphone / Microphone in Combo Jack

- 4. USB 2.0 Port
- 5. Optical drive button
- 6. Security cable slot

Overview



- 1. Battery release latches
- 2. Battery bay

- 3. Memory module compartment, keyboard screw, and optical drive bay.
- 4. Hard drive bay compartment and wireless compartment



HP 350 G1 Notebook PC

QuickSpecs

Overview

At A Glance

- Windows 8.1 versions, Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro 64), Ubuntu Linux, FreeDOS 2.0
- Integrated Intel[®] HD Graphics Family with shared memory or AMD RadeonTM HD 8670M discrete graphics (1 GB or 2 GB DDR3, Switchable Graphics)
- Durable, sophisticated design with smooth surfaced silver color.
- Full-sized keyboard with numeric keypad
- Spill-resistant keyboard and HP 3D Drive Guard protects your system from accidental spills or drops
- HDMI port for connecting to high-resolution displays
- Integrated HP HD Webcam, integrated microphone
- 802.11 b/g/n 1x1wireless LAN module, 802.11 b/g/n 1x1wireless LAN module + Bluetooth[®] 4.0 combo, and 802.11 a/b/g/n 2x2wireless LAN module + Bluetooth 4.0 combo
- 15.6" diagonal LED-backlit HD anti-glare (1366 x 768)

NOTE: See important legal disclosures for all listed specs in their respective features sections.



Features

HP 350 G1 Notebook PC

OPERATING SYSTEM

Preinstalled

Windows 8.1* Windows 8.1 Pro* Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro 64**) Ubuntu Linux FreeDOS 2.0

* Not all features are available in all editions of Windows 8.1. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8.1 functionality. See http://www.microsoft.com for details. ** This system is preinstalled with Windows® 7 Pro software and also comes with a license and media for Windows 8.1 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

PROCESSOR

4th Generation Intel[®] Core[™] i7-4500U (1.8 GHz, 4 MB L3 cache, 2 cores)* 4th Generation Intel[®] Core[™] i5-4200U (1.6 GHz, 3 MB L3 cache, 2 cores)* 4th Generation Intel[®] Core[™] i3-4005U (1.7 GHz, 3 MB L3 cache, 2 cores)* Intel[®] Pentium 3558U (1.7 GHz, 2 MB L3 cache, 2 cores)* Intel[®] Celeron 2957U (1.4 GHz, 2 MB L3 cache, 2 cores)*

* Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

CHIPSET

Chipset is integrated with processor

GRAPHICS

Integrated: Intel[®] HD Graphics 4400 (Core I processor) Integrated: Intel[®] HD Graphics (Pentium/Celeron processor) Discrete: AMD Radeon[™] HD 8670M (1 GB or 2 GB DDR3, Switchable Graphics)



Features

DISPLAY

Internal 15.6" diagonal LED-backlit HD anti-glare (1366 x 768) External Up to 32-bit per pixel color depth VGA Port supports resolutions up to 1080p, 1920 x 1080 at 60Hz HDMI* 1.4 port supports up to 1080p, 1920 x 1080 at 60Hz

*HDMI cable sold separately.

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage Bay Hard Drives 320/500/750 GB/1 TB 5400 rpm SATA 500 GB 7200 rpm SATA

NOTE: For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1) of system disk is reserved for the system recovery software.

FLASH CACHE

mSATA 32GB mSATA*

* Not available with Celeron/Pentium/i3 CPUs.

OPTICAL DRIVES

Fixed Optical Drive DVD+/-RW SuperMulti DL* Drive Weight Saver option

* Double-layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Note that this drive cannot read or write to 2.6 GB single-sided/5.2 GB double-sided - version 1.0 media. Don't copy copy-right protected materials.



Features

MEMORY

Standard DDR3L SDRAM (1600 MHz) Two SODIMM slots supporting dual-channel memory Standard memory up to 8192 MB* Maximum Upgradeable to 16384 MB with 8192 MB* SODIMMs in slots 1 and 2 Dual-channel Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

* Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

NETWORKING/COMMUNICATIONS

Wireless

802.11 b/g/n (1x1) wireless LAN module^{1,2} 802.11 b/g/n (1x1) + Bluetooth 4.0 Combo^{1,2} 802.11 a/b/g/n (2x2) + Bluetooth 4.0 Combo^{1,2} **Communications** Realtek Gigabit Network Connection (10/100/1000 NIC)

1. Sold separately or as an optional feature.

2. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

AUDIO/MULTIMEDIA

Audio

DTS Sound Integrated Stereo Speaker Headphone / Microphone in Combo Jack Integrated microphone

Webcam HP HD* Webcam**

- Supports videoconferencing and still image capture
- Improved quality for video streaming and still image capture (1280x720 resolution)
- Up to 30 frames/sec
- Fixed focus lens

* HD content required to view HD images.

** Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.



Features

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

The 101/102-key compatible keyboard features a full-pitch key layout with desktop keyboard features, such as editing keys, both left and right control and alt keys, and function keys. US and International key layouts are available. Includes a separate numeric keypad.

Pointing Devices

Touchpad with 2-piece pick button with left and right click functions Multi-touch gestures supported

Buttons and Function Keys

On/off button

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

Buy Office Recovery Manager Installer Cyberlink Youcam DE Cyberlink Power DVD (available on select models) McAfee Internet Security 2013* Getting Started with Windows 8.1 HP SimplePass Identity Protection HP CoolSense Intel® Small Business Advantage

Security

Security Lock slot (lock must be purchased separately) Fingerprint Reader

For more information on HP security solutions refer to: http://www.hp.com/go/security.

* Internet access required. First 60 days included. Subscription required for live updates afterwards.



Features

POWER

Power Supply

External 65W HP AC adapter 3-wire plug 1.0m (with ground pin)

Primary Battery

HP 4-cell (41 WHr) Li-Ion battery

Battery Life

4-cell (41 WHr) battery

Up to 8.5 hours (With Windows 7)

System Standby Time

Up to 1 week**

* Windows 7 battery life will vary depending on numerous factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

**Standby life will vary depending on various factors including battery, Memory, CPU, EC and LAN chip. The maximum capacity of the battery will naturally decrease with time and usage.

Power Conservation

Hibernation* Standby* ACPI compliance*

* Only Linux will feature power conservation.

WEIGHTS & DIMENSIONS

Weight

Starting at 5.07 lbs (2.30 kg) Weight will vary by configuration.

Dimensions (w x d x h) 10.28 x 15.12 x .91 in 26.1 x 38.4 x 2.31 cm

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.



Features

PORTS/SLOTS

Ports

VGA - One HDMI* - One Headphone / Microphone in Combo Jack - One Power Connector - One RJ-45 (Ethernet) - One USB 3.0 - Two USB 2.0 - One

Expansion Slots

HP Multi-Format Digital Media Reader - supports SD/SDHC/SDXC Supports mini versions with adapter

* HDMI cable sold separately.

SERVICE AND SUPPORT

HP Services offers limited 1-year warranty options depending on country;

1-year limited warranty on primary battery. On-site service and warranty upgrades are also available. Optional* HP Care Pack Services** are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool.

*Sold separately or as an optional feature.

** Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp



Technical Specifications

SYSTEM UNIT

Stand-Alone Power Requirements (AC Power)	Nominal Operating Voltage	18.5/19.5V
	Average Operating Power	Integrated graphics: TBD W
	Max Operating Power	< 65 W
Temperature	Operating	32° to 95° F (0° to 35° C) (not writing optical) 41° to 95° F (5° to 35° C) (writing optical)
	Non-operating	-4° to 140° F (-20° to 60° C)
Relative Humidity	Operating	10% to 90%, non-condensing
	Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature
Shock	Operating	40 G, 2 ms, half-sine
	Non-operating	200 G, 2 ms, half-sine
Random Vibration	Operating	0.75 grms
	Non-operating	1.50 grms
Altitude (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
	Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)
Planned Industry	UL	Yes
Standard Certifications	CSA	Yes
Certifications	FCC Compliance	Yes
	ENERGY STAR®	Select models*
	EPEAT	Registered Silver in United States**
	ICES	Yes
	Australia /	Yes
	NZ A-Tick Compliance	
	CCC	Yes
	Japan VCCI Compliance	Yes
	КС	Yes
	BSMI	Yes
	CE Marking Compliance	Yes
	BNCI or BELUS	Yes
	CIT	Yes
	GOST	Yes
	Saudi Arabian Compliance (ICCP)	Yes
	SABS	Yes
	UKRSERTCOMPUTER	Yes



Technical Specifications

* Configurations of the HP 350 G1 Notebook PC that are ENERGY STAR qualified are identified as HP 350 G1 Energy Star on HP websites and on www.energystar.gov.

** EPEAT registration varies by country. See www.epeat.net for registration status by country. EPEAT status listed above applies to U.S.

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

DISPLAYS

15.6" diagonal LED- backlit HD anti-glare flat	Active Area (w x h)	13.54 x 7.59 in (34.4 x 19.4 cm)	
	Diagonal Size	15.6 in (39.6cm)	
(1366 x 768)	Surface Treatment	Anti-glare	
	Contrast Ratio	300:1 (min)	
	Refresh Rate	60 Hz	
	Brightness	200 nit (typical)	
	Pixel Resolution	Pitch	0.252 mm
		Format	1366 x 768
		Configuration	RGB Stripe
	Backlight	LED	
	PPI	101 ppi	
	Viewing Angle	±40° Horizontal, +10°/-30° 40/40/30/10 (Left/Right/D	

STORAGE AND DRIVES

Internal Storage				
500 GB* 7200 rpm SATA	Drive Weight	0.25 lb (115g)	(115g)	
Hard Drive	Capacity	500 GB		
	Height	0.276 in (7 mm)		
	Width	2.75 in (70 mm)		
	Interface	ATA-8, SATA 2.6, 3.0 Gb/s, NCQ		
	Transfer Rate	Synchronous (maximum)	300 MB/s (Drive Capability)	
	Seek Time (typical reads, including settling)	Single Track	1.5 ms	
		Average	11 ms	
		Maximum	22 ms	
	Rotational Speed	7200 rpm		
	Logical Blocks	976,773,168		
	Operating Temperature	32° to 140° F (0° to 60° C) [case temp]		
	Features	ATA Security		



Technical Specifications

1 TB* 5400 rpm	Drive Weight	0.254 lb (115 g)			
SATA Hard Drive	Capacity	1 TB			
	Height	0.37 in (9.5 mm)	0.37 in (9.5 mm)		
	Width	2.75 in (70 mm)			
	Interface	ATA-8, SATA 2.6, 3.0 Gb/s, NCQ			
	Transfer Rate	Synchronous (maximum)	300 MB/s (Drive Capability)		
	Seek Time	Single Track	3 ms		
	(typical reads, including	Average	13 ms		
	settling)	Maximum	24 ms		
	Rotational Speed	5400 rpm			
	Logical Blocks	1,953,525,168			
	Operating Temperature	32° to 140° F (0° to 60° C) [case temp]			
	Features	ATA Security			
750 GB* 5400 rpm	Drive Weight	0.22 lb (101 g)			
SATA Hard Drive	Capacity	750 GB			
	Height	0.37 in (9.5 mm)			
	Width	2.75 in (70 mm)			
	Interface	ATA-8, SATA 2.6, 3.0 Gb/s, NCQ			
	Transfer Rate	Synchronous (maximum)	300 MB/s (Drive Capability)		
	Seek Time	Single Track	3 ms		
	(typical reads, including settling)	Average	13 ms		
	Setting/	Maximum	24 ms		
	Rotational Speed	5400 rpm			
	Logical Blocks	1,465,149,168			
	Operating Temperature	32° to 140° F (0° to 60° C) [case temp]		
	Features	ATA Security			



Technical Specifications

SATA Hard Drive Capacity 500 GB Height 0.37 in (9.5 mm) Width 2.75 in (70 mm) Width 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms (typical reads, including Average 13 ms Rotational Speed 5400 rpm 24 ms Logical Blocks 67,77,168 22° to 140° F (0° to 60° C) [-55 temp] Speak Tame 2.22 b (101 g)	500 GB* 5400 rpm	Drive Weight	0.22 lb (101 g)		
Widh 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms (typical reads, including settling) Average 13 ms Maximum 24 ms Logical Blocks 976,773,168 Operating Temperature 32° to 140° F (0° to 60° C) [case temp] Features ATA Security SATA Hard Drive Drive Weight 0.22 lb (101 g) Capacity 320 GB Sato (70 mm) Nitherface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ Maith 0.37 in (9.5 mm) Width 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time 0.37 in (9.5 mm) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms Atreage 1	SATA Hard Drive	Capacity	500 GB		
InterfaceATA-8, SATA 2.6, 3.0 Gb/s, UTransfer RateSynchronous (maximu)150 MB/s (Drive Capability)Seek Time (typical reads, including)Single Track3 msRotational Speed6400 rpm24 msLogical Blocks976,773,168Single TrackSingle TrackOperating Temperature22* to 140° F (0° to 60° C) C = tempTransfer RateFeatures0.22 Lb (101 g)Transfer RateSingle TrackSATA Hard DriveDrive Weight0.22 Lb (101 g)Transfer RateHeight0.37 in (9.5 mm)Transfer RateSingle TrackNith Capacity20 GBSingle TrackSingle TrackMidth2.75 in (70 mm)InterfaceSingle TrackInterfaceSingle TrackSingle TrackSingle TrackSeek Time (typical reads, including tettingSingle Track3 msRatational SpeedSingle Track3 msRotational SpeedSingle Track3 msAuringSingle Track3 msAuringSingle Track3 msAutional SpeedSingle Track3 msAutional Speed </th <th></th> <th>Height</th> <th colspan="3">0.37 in (9.5 mm)</th>		Height	0.37 in (9.5 mm)		
Transfer RateSynchronous (maximum)150 MB/s (Drive Capability)Seek Time (typical reads, including) settling)Single Track3 msAverage13 msMaximum24 msRotational Speed5400 rpmLogical Blocks976,773,168Operating Temperature Features32° to 140° F (0° to 60° C) [-55 temp]FeaturesATA SecuritySATA Hard DriveDrive Weight0.22 lb (101 g)Capacity0.22 lb (101 g)Height0.37 in (9.5 mm)Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 Gb/s - UTransfer RateSynchronous (maximu)Seek Time (typical reads, including) settling)Single TrackSate Time (typical reads, including) settling)Single TrackRotational SpeedSingle TrackSingle Track3 msAverage13 msAverage13 msAuerage13 msAuerage14 msAuerage13 msAuerage13 msAuerage14 msAuerage13 msAuerage </th <th></th> <th>Width</th> <th colspan="2">2.75 in (70 mm)</th>		Width	2.75 in (70 mm)		
Seek Time (typical reads, including settling) Single Track 3 ms Average 13 ms Maximum 24 ms Rotational Speed 5400 rpm Logical Blocks 976,773,168 Operating Temperature 32° to 140° F (0° to 60° C) [Interface	ATA-8, SATA 2.6, 3.0 Gb/s, NCQ		
(typical reads, including settling)Average Maximum13 ms 24 msRotational Speed5400 rpmLogical Blocks976,773,168Operating Temperature Features22° to 140° F (0° to 60° C) [Transfer Rate	Synchronous (maximum)	150 MB/s (Drive Capability)	
settling) Maximum 24 ms Rotational Speed 5400 rpm Logical Blocks 976,773,168 Operating Temperature 32° to 140° F (0° to 60° C) [case temp] Features ATA Security 320 GB* 5400 rpm Drive Weight 0.22 lb (101 g) Capacity 320 GB Height 0.37 in (9.5 mm) Width 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms (typical reads, including) Average 13 ms settling) Fotational Speed 5400 rpm Logical Blocks 625,142,448 24 ms			Single Track	3 ms	
Rotational Speed 5400 rpm Logical Blocks 976,773,168 Operating Temperature 32° to 140° F (0° to 60° C) [-355 temp] Features ATA Security 320 GB* 5400 rpm Drive Weight 0.22 lb (101 g) SATA Hard Drive Drive Weight 0.22 lb (101 g) Gapacity 320 GB			Average	13 ms	
Logical Blocks Operating Temperature Features976,773,168 32° to 140° F (0° to 60° C) [== temp]320 GB* 5400 rpm SATA Hard DriveDrive Weight Capacity0.22 lb (101 g) 320 GBReight0.32 lb (30 mm) 2.75 in (70 mm)		settling)	Maximum	24 ms	
Operating Temperature 32° to 140° F (0° to 60° C) [→32 temp] ATA Security 320 GB* 5400 rpm Drive Weight SATA Hard Drive Drive Weight Capacity 320 GB Height 0.37 in (9.5 mm) Width 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s. V Transfer Rate Synchronous (maximum) 150 MB/s (Drive Capability) Seek Time Single Track 3 ms (typical reads, including settling) Average 13 ms Maximum 24 tems 24 tems Iogical Blocks 625,142,448 24 tems Operating Temperature 32° to 140° F (0° to 60° C) [→5 temp]		Rotational Speed	5400 rpm		
Features ATA Security 320 GB* 5400 rpm SATA Hard Drive Drive Weight 0.22 lb (101 g) Capacity 320 GB Height 0.37 in (9.5 mm) Width 2.75 in (70 mm) Interface ATA-8, SATA 2.6, 3.0 Gb/s, VC Transfer Rate Single Track 3 ms Ktypical reads, including settling Single Track 3 ms Maximum 24 ms Rotational Speed 5400 rpm Logical Blocks 625,142,448 Operating Temperature 32° to 140° F(0° to 60° C) [-se temp]		Logical Blocks	976,773,168		
320 GB* 5400 rpm SATA Hard DriveDrive Weight Capacity0.22 lb (101 g)Gapacity320 GBHeight0.37 in (9.5 mm)Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 Gb/s. V.QTransfer RateSynchronous (maximum)Seek Time (typical reads, including settling)Single TrackAverage Maximum13 msAtament (typical reads, including settling)Single TrackRotational Speed Logical Blocks5400 rpmLogical Blocks625,142,448Operating Temperatue32° to 140° F(0° to 60° C) U-set temp]		Operating Temperature	32° to 140° F (0° to 60° C) [case temp]		
SATA Hard DriveCapacity320 GBHeight0.37 in (9.5 mm)Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 GB/>Transfer RateSynchronous (num)Seek Time (typical reads, including)Single TrackAverage13 msHotignen Seek Time (typical reads, including)AverageRotational Speed6400 mmLogical Blocks625,142,448Operating Temperation32° to 140° F0° to 50° to		Features	ATA Security		
SATA Hard DriveCapacity320 GBHeight0.37 in (9.5 mm)Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 GB/>Transfer RateSinger Transfer AreaSeek Time (typical reads, sincluding)Singe TrackAverage13 msHotigone AreaAverageInterfaceSinclumeKattional Speed600 rpmLogical Blocks625,142,448Operating Temperation32° to 140° F0° to 50°					
Height0.37 in (9.5 mm)Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 Gb/s, VCQTransfer RateSynchronous (maximum)150 MB/s (Drive Capability)Seek Time (typical reads, including settling)Single Track3 msAverage Maximum13 msAverage Maximum24 msInterface5400 rpmLogical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [•	Drive Weight	0.22 lb (101 g)		
Width2.75 in (70 mm)InterfaceATA-8, SATA 2.6, 3.0 Gb/s, VCTransfer RateSynchronous (maximum)150 MB/s (Drive Capability)Seek Time (typical reads, including settling)Single Track3 msMaximum24 msRotational Speed5400 rpm24 msLogical Blocks625,142,448YOperating Temperature32° to 140° F(0° to 60° C) [-temp]	SATA Hard Drive	Capacity			
InterfaceATA-8, SATA 2.6, 3.0 Gb/s, VTransfer RateSynchronous (maximum)150 MB/s (Drive Capability)Seek Time (typical reads, including settling)Single Track3 msAverage Maximum13 ms24 msRotational Speed5400 rpm24 msLogical Blocks625,142,448Set State Sta		Height	0.37 in (9.5 mm)		
Transfer RateSynchronous (maximum)150 MB/s (Drive Capability)Seek TimeSingle Track3 ms(typical reads, including)Average13 ms(typical reads, including)Maximum24 msRotational Speed625,142,448		Width	2.75 in (70 mm)		
Seek Time (typical reads, including settling)Single Track3 msAverage Maximum13 ms24 msRotational Speed5400 rpmLogical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [case temp]		Interface	ATA-8, SATA 2.6, 3.0 Gb/s, NCQ		
(typical reads, including settling)Average13 msMaximum24 msRotational Speed5400 rpmLogical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [case temp]		Transfer Rate	Synchronous (maximum)	150 MB/s (Drive Capability)	
settling)Maximum24 msRotational Speed5400 rpmLogical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [case temp]			Single Track	3 ms	
Maximum24 msRotational Speed5400 rpmLogical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [case temp]			Average	13 ms	
Logical Blocks625,142,448Operating Temperature32° to 140° F (0° to 60° C) [case temp]		Setting)	Maximum	24 ms	
Operating Temperature 32° to 140° F (0° to 60° C) [case temp]		Rotational Speed	5400 rpm		
		Logical Blocks	625,142,448		
Features ATA Security		Operating Temperature	e 32° to 140° F (0° to 60° C) [case temp]		
		Features	ATA Security		

* For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 8.1) of system disk is reserved for the system recovery software.

Optical Drives

Technical Specifications

DVD+/-RW SuperMulti DL Drive	Access Times	Random	<140ms CD (typical) < 160 ms DVD (typical)
	Max Data Transfer Rate	24X CD-ROM	
		8X DVD	
		24X CD-R	
		24X CD-RW	
		8X DVD+R	
		8X DVD+RW	
		8X DVD-R	
		6X DVD-RW	
		5X DVD-RAM	
	Transfer Mode	UDMA Mode 5	
	Interface	Gen 1 SATA	
	Supported Media (read)	(Photo-CD, Video CD), Mult	CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge tisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, D-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, I, DVD-RAM
	Supported Media (write)	CD-R, CD-RW, DVD+R, DVD DL	+RW, DVD-R, DVD-RW, DVD-RAM, DVD+R DL, DVD-R
	Max Media Capacity (read)	8.5 GB	
	Max Media Capacity (write)	8.5 GB	
	Transport	Tray Loading	

NETWORKING/COMMUNICATIONS

Networking		
Integrated Realtek 10/100/1000 NIC	Ethernet Features	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbit/s operation (100BASE-T; IEEE 802.3ab; IEEE 802.3 clauses 21-30) (Support in RTL8161FH-CG only) Auto-Negotiation (Automatic Speed Selection) Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s IEEE 802.1p QoS (Quality of Service) Support IEEE 802.1q VLAN support IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable
	Power Management	ACPI compliant - multiple power modes Situation-sensitive features reduce power consumption Advanced link down power saving for reducing link down power consumption
	Performance Features	TCP/IP/UDP Checksum Offload (configurable) Large send offload and Giant send offload Receiving Side Scaling



Technical Specificat	tions	
	Manageability	Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet only) PXE 2.1 Remote Boot Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30)) Comprehensive diagnostic and configuration software suite Virtual Cable Doctor for Ethernet cable status
	Interface	PCI Express 1.1 x1 to fully support ASPM LOs/L1 and CLKREQ
	NIC Device Driver Name	Realtek PCIe FE Ethernet Family Controller
Communications		
Atheros 802.11b/g/n WiFi Adapter*, **	Wireless LAN Standards	IEEE 802.11b IEEE 802.11g IEEE 802.11n
	Interoperability	Wi-Fi certified
	Frequency Band	2.402 - 2.482 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n150Mbps for MCS7
	Frequency Support	20 MHz: 2.4 GHz bands
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM
	Security ¹	Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST. Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 5) with Microsoft Windows 7only.
	Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points
	Output Power ²	13.5 dBm, minimum
	Power Consumption	Idle associated: 250 mW avg (CLKREQ enabled) Idle unassociated: 100 mW avg Transmit/Receive channel: 2.0 /1.6 W
	Power Management	ACPI compliant power management 802.11 compliant power saving mode
	Receiver Sensitivity ³	11b:-88dBm@11 Mbps, 11g:-74 dBm@54 Mbps, 11n:-70dBm@72 Mbps
	Antenna type	High efficiency dual antenna with spatial diversity, usually mounted in the display enclosure



Technical Specifications

Form Factor	PCI-Express Half-MiniCard		
Weight	4 g		
Dimensions	3.3 x 26.65 x 29.85 mm		
Operating Voltage	3.3v +/- 9%		
Temperature	Operating Non-operating	-10° to 70° C -40° to 80° C	
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)	
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)	
LED Activity	Amber LED on-Radio OFF; White LED on-Radio ON		

1. Check latest software/driver release for updates on supported security features.

2. Maximum output power may vary by country according to local regulations.

3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CCK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

NOTE: WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows XP. WLAN may also be compatible with certain third-party software supplicants. WLAN supplier IHV extensions required for Cisco Compatible Extensions support for Microsoft Windows Vista and Win7. * Wireless access point and internet service required. Availability of public wireless access points limited. ** Sold separately or as an optional add-on feature.

Ralink 802.11b/g/n Bluetooth 4.0 Combo	Wireless LAN Standards	IEEE 802.11b IEEE 802.11g
Card*, **		IEEE 802.11n
	Interoperability	Wi-Fi certified
	Frequency Band	2.402 - 2.482 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 150Mbps for MCS7
	Modulation	Direct Sequence Spread Spectrum DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM
	Security ¹	Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST. WAPI
		Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 5) with Microsoft Windows Vista and XP only.
	Sub-channels	Multinational support with frequency bands and channels compliant to local regulations.
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points



HP 350 G1 Notebook PC

Technical Specifications

Output Power (for CCK) ²	13.5dBm , minimum	
Power Consumption	Idle associated: 250 mW Idle unassociated: 150 mW Transmit: 2.0 W (max) Receive: 2.0 W (max)	J
Power Management	ACPI compliant power mar 802.11 compliant power sa	-
Receiver Sensitivity ³	11b:-88dBm@11Mbps, 11g:-74 dBm@54Mbps, 11n:-70dBm@72.Mbps.	
Antenna type	High efficiency dual anten enclosure	na with spatial diversity, mounted in the display
Form Factor	PCI-Express Half-MiniCard	v1.2
Weight	6 g	
Dimensions	3.3 x 26.65 x 29.85 mm	
Operating Voltage	3.3v +/- 10%	
Temperature	Operating Non-operating	14° to 149° F (-10° to 65° C) -40° to 176° F (-40° to 80° C)
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
LED Activity	LED Off - Radio OFF; Solid	LED On - RadioON

1. Check latest software/driver release for updates on supported security features.

2. Maximum output power may vary by country according to local regulations.

3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CCK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

NOTE: WLAN supplier's client utility is required for Cisco Compatible Extensions support with Microsoft Windows XP. WLAN may also be compatible with certain third-party software supplicants. WLAN supplier IHV extensions required for Cisco Compatible Extensions support for Microsoft Windows Vista and Win7.

Bluetooth Specification

V4.0 High Speed, V2.1+EDR, backwards compatible with V1.1, 1.2 and 2.0

Number of Available Channels	79 (1 MHz) available channels
Data Rates and Throughput	3 Mbps data rate; throughput up to 2.17 Mbps Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric or 1306.9 kbps symmetric
Transmit Power	-6 dBm to 4 dBm (Bluetooth Class II)
Receiver Sensitivity	Better than -80 dBM at 0.1 % raw bit error rate
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW Sleep <17 mW



Technical Specifications

Antenna	Internally integrated within module	
Range	Up to 33 ft (10 m)	
Electrical Interface	USB 2.0 compliant Microsoft Windows Plug and Play compliant	
Bluetooth Software Supported	Broadcom Bluetooth for Windows Microsoft Windows Bluetooth Software	
Link Topology	Point to Point, Multipoint Pico Nets up to 7 slaves	
Security	Full support of Bluetooth Security Provisions	
Power Management	Microsoft Windows ACPI, and USB Bus Support Self configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff	
Certifications	All necessary regulatory approvals for supported countries, including: FCC (47 CFR) Part 15C, Section 15.247 & 15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark	
Bluetooth Profiles Supported	Generic Access Profile (GAP) Service Discovery Application Profile (SDAP) Serial Port Profile (SPP) Dial_Up Networking Profile (DUN) Generic Object Exchange Profile (GOEP) Object Push Profile (OPP) File Transfer Profile (FTP) Synchronization Profile (SYNC) Hard Copy Cable Replacement (HCRP) Personal Area Networking Profile (PAN) Human Interface Device Profile (HID) Generic Audio/Video Distribution Profile (GAVDP) Advanced Audio/Video Distribution Profile (A2DP) FAX Profile (FAX) Basic Imaging Profile (BIP) Headset Profile (HSP) Hands Free Profile (HFP) Basic Printing Profile (BPP) VDP (Video Distribution Profile)	

* Wireless access point and internet service required. Availability of public wireless access points limited. ** Sold separately or as an optional add-on feature.

Broadcom 802.11a/b/g/n (2x2) + Bluetooth 4.0 combo *, **	Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n
	Interoperability	Wi-Fi certified
	Frequency Band	802.11b/g/n

• 2.402 - 2.482 GHz



Technical Specifications

802.11a/n

Data Rates	 4.9 - 4.95 GHz (Japan) 5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz 5.825 - 5.850 GHz 2.402 - 2.482 GHz 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: card will support rates for NSS=1 and NSS=2 for RX and TX for 20 and 40 MHz channels. Short and long guard interval shall be supported.
Modulation	Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM
Security ¹	 IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only AES-CCMP: 128 bit in hardware 802.1x authentication WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. WPA2 certification IEEE 802.11i Cisco Certified Extensions, all versions through V5 WAPI
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
Roaming Output Power ²	 IEEE 802.11 compliant roaming between access points 2.4G: +13.5dBm minimum 5G: +12dBm minimum Maximum output power must be able to achieve modular regulatory
	certification with notebooks that have antennas >20cm from the user and peak gain of +3dBi at 2.4GHz and +4dBi at 5GHz
Power Consumption	
Power Consumption Power Management	and peak gain of +3dBi at 2.4GHz and +4dBi at 5GHz Transmit: 2.0 W (max) Receive: 1.6 W (max) Idle mode (PSP): 250 mW (WLAN Associated) Idle mode: 100 mW (WLAN unassociated)



Technical Specifications

Antenna type	High efficiency antenna with spatial diversity, mounted in the display enclosure		
	Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications		
Form Factor	PCI-Express Half-MiniCard		
Dimensions	0.19 x 1.06 x 1.18 in (4.75	x 26.8 x 30 mm)	
Operating Voltage	3.3v +/- 9%		
Temperature	Operating Non-operating	14° to 158° F (-10° to 70° C) -40° to 176° F (-40° to 80° C)	
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)	
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)	
LED Activity	LED Off - Radio OFF; Solid	LED On - Radio ON	
2. Maximum output power	may vary by country accord easured at a packet error rat	supported security features. ing to local regulations. te of 8% for 802.11b (CKK modulation) and a packet	
Bluetooth Specification	V4.0 High Speed, V2.1+EDR, backwards compatible with V1.1, 1.2 and 2.0		
Number of Available Channels	79 (1 MHz) available channels		
Data Rates and Throughput	3 Mbps data rate; throughput up to 2.17 Mbps Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric or 1306.9 kbps symmetric		
Transmit Power	-6 dBm to 4 dBm (Bluetoo	th Class II)	
Receiver Sensitivity	Better than -80 dBM at 0.1 % raw bit error rate		
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW Sleep <17 mW		
Antenna	Internally integrated withi	n module	
Range	Up 33 ft (10 m)	Up 33 ft (10 m)	
Electrical Interface	USB 2.0 compliant Microsoft Windows Plug and Play compliant		
Bluetooth Software Supported		Broadcom Bluetooth for Windows Microsoft Windows Bluetooth Software	
Link Topology	Point to Point, Multipoint F	Pico Nets up to 7 slaves	
Security	Full support of Bluetooth Security Provisions		
Power Management	Microsoft Windows ACPI, a	nd USB Bus Support	

Self configurable to optimize power conservation in all operating modes,



including Standby, Hold, Park, and Sniff

Technical Specifications

Certifications	All necessary regulatory approvals for supported countries, including: FCC (47 CFR) Part 15C, Section 15.247 & 15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark
Bluetooth Profiles Supported	Generic Access Profile (GAP) Service Discovery Application Profile (SDAP) Serial Port Profile (SPP) Dial_Up Networking Profile (DUN) Generic Object Exchange Profile (GOEP) Object Push Profile (OPP) File Transfer Profile (FTP) Synchronization Profile (SYNC) Hard Copy Cable Replacement (HCRP) Personal Area Networking Profile (PAN) Human Interface Device Profile (HID) Generic Audio/Video Distribution Profile (GAVDP) Advanced Audio/Video Distribution Profile (A2DP) FAX Profile (FAX) Basic Imaging Profile (BIP) Headset Profile (HSP) Hands Free Profile (HFP) Basic Printing Profile (BPP) VDP (Video Distribution Profile)
* Mirolocc accord point an	d internet corvice required. Availability of public wireless access points lin

* Wireless access point and internet service required. Availability of public wireless access points limited. ** Sold separately or as an optional add-on feature.

AUDIO/MULTIMEDIA

Audio

Hardware

Implementation	Realtek ALC3201-GR High Definition audio
Volume Controls	Up, down, and mute function keys
Full Duplex	Yes
Microphone In	Stereo
Headphone/Line Out	Stereo
Integrated Microphone	Yes



Technical Specifications

Audia Autaut Aualitu			
Audio Output Quality	Frequency Response	10 Hz ~ 22 KHz	
	Signal to Noise Ratio	Typical 95 dB FSA (DAC)	
	Total Harmonic Distortion		
	Noise Floor	-110 dB	
	Play/Record Sampling Rate(s)	Up to 192 KHz	
	DAC	24 bits	
	ADC	24 bits	
Integrated Stereo	Power Rating	1.5 W	
Speakers	Impedance	4 ohms	
Multimedia			
Integrated HD Webcam	Supports videoconferencing Improved quality for video Up to 30 frames/sec Fixed focus lens		pture (1280x720 resolution)
POWER			
HP 65W AC Adapter	Dimensions	4.21 x 1.85 x 1.18 in (10.7 x	(4.7 x 3.0 cm)
	Weight	0.62 lb (280 g)	
	Input	100 to 240 VAC	
		Input Efficiency	87% min at 115 VAC
		Input frequency range	47 to 63 Hz
		Input AC current	1.7 A at 90 VAC
	Output	Output power	65W
		DC output	18.5/19.5V
		Hold-up time	5 msec at 115 VAC input
		Output current limit	<11A, Over voltage protection- 29V max automatic shutdown
	Connector	3 pin/grounded, mates with	n interchangeable cords
	Environmental Design	Operating temperature	41° to 95° F (5° to 35° C)
		Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
		Altitude	0 to 5,000 ft (0 to 1,524 m)
		Humidity	20% to 95%
		Storage Humidity	10% to 95%



Technical Specifications

	EMI and Safety Certifications	standards - IEC60950, EN6 C-UL-US, NORDICS, DENAN	with LVD and EMC directives; Worldwide safety 50950, UL60950, Class1, SELV; Agency approvals - I, EN55022 Class B, FCC Class B, CISPR22 Class B, over 200,000 hours at 25°C ambient condition.
4-Cell (41 WHr)	Cells/Type	4-cell Lithium-Ion	
Lithium-Ion battery	Energy Temperature	Watt-hour capacity	41 WHr
		Operating (Charging)	32° to 113° F (0° to 45° C)
		Operating (Discharging)	14° to 140° F (-10° to 60° C)
		Non-operating	-4° to 140° F (-20° to 60° C)
	Battery Re-Charge Time	System in OFF or Standby Mode	2.5 hours
		System ON	3 to 5 hours (depending on system power consumption)

ENVIRONMENTAL

Environmental Data	Eco-Label Certifications & declarations	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:		
		 IT ECO declaration US ENERGY STAR[®] EPEAT Gold register for registration state 	ed in the United States. Se us in your country.	e http://www.epeat.net
	System Configuration	The configuration used for Emissions data for the Not Notebook".		
	Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
	Normal Operation (Short idle)	8.17 W	8.13 W	6.85 W
	Normal Operation (Long idle)	4.33 W	4.74 W	4.32 W
	Sleep	0.98 W	1.08 W	0.97 W
	Off	0.85 W	0.95 W	0.48 W
		NOTE: Energy efficiency data lister offered within the model for STAR® Logo are compliant	amily. HP computers mark	ed with the ENERGY

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



Technical Specifications

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.

Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation (Short idle)	28 BTU/hr	28 BTU/hr	23 BTU/hr
Normal Operation (Long idle)	15 BTU/hr	16 BTU/hr	15 BTU/hr
Sleep	3 BTU/hr	4 BTU/hr	3 BTU/hr
Off	3 BTU/hr	3 BTU/hr	2 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)	s Sound Power (LWAd, bels)	Sound Pressure (LpAm, decibels)
Typically Configured - Idle	2.6	25
Fixed Disk - Random writes	3.1	25
Batteries	This battery(s) in this product comply with EU Directive 2006/66/EC	
	Batteries used in the product do not con Mercury greater the1ppm by weight Cadmium greater than 20ppm by weig Battery size: CR2032 (coin cell) Battery type: Lithium	
Additional Information	 Substances (RoHS) directive - 2011/65/EC. This HP product is designed to comply with the Waste Electrical Electronic Equipment (WEEE) Directive - 2002/96/EC. This product is in compliance with California Proposition 65 (Sta California; Safe Drinking Water and Toxic Enforcement Act of 19 This product is in compliance with the IEEE 1680 (EPEAT) standathe <gold> level, see www.epeat.net</gold> Plastics parts weighing over 25 grams used in the product are magnetic standation. 	
	 per ISO11469 and ISO1043. This product contains 0% post-co This product is 94.9% recycle-abl life. 	onsumer recycled plastic (by wt.) e when properly disposed of at end of
Packaging Materials	 External: PAPER/Corrugated 405.4 g Internal: PLASTIC/EPE (Expanded Poisson 2000) PLASTIC/Polyethylene low The plastic packaging material co The corrugated paper packaging restricted paper packaging restring restring restricted paper pa	olyethylene) 34 g density 13.9 g ontains at least 50% recycled content.

• The corrugated paper packaging materials contains at least 70%



Technical Specifications

Il Specifications	
	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 Biphenyl (PBBs) Polybrominated Biphenyl Ethers (PBBEs) Polybrominated Biphenyl (PCB) Polychlorinated Terphenyls (PCT) Polychlorinated Terphenyls (PCT) 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.



Technical Specifications

	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	For more information about HP's commitment to the environment:	
Corporate Environmental		
Information	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	
	and	
	http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf	

COUNTRY OF ORIGIN

TBD



Options and Accessories (sold separately and availability may vary by country)

NOTE: Options/capabilities listed in the QuickSpecs represent those capabilities available through Base Units or Build to Order configurations. The various product features and capabilities will vary in terms of configurable vs. aftermarket options (AMOs). There may be options and capabilities available through CTO that are not available as AMOs.

Туре	Description	Part #
Docking	HP 3005pr USB 3.0 Port Replicator	H1L08AA#xxx
	HP 2005pr USB 2.0 Port Replicator	H1L07AA#xxx
	HP 3001 USB 3.0 Port Replicator	F3S42AA#xxx
	HP Display and Notebook Stand	AW662AA
Input/Output	HP Stylish USB Keyboard and Mouse	H4B80AA#xxx
	HP Stylish Wireless Keyboard and Mouse	H4B79AA#xxx
	HP Comfort Grip Wireless Mouse	H2L63AA
	HP X4000b Bluetooth Mouse	H3T50AA#xxx
	HP 3-Button USB Laser Mouse	H4B81AA
	HP USB Optical Travel mouse	RH304AA
	USB Graphics Adapter (DBU PL)	NL571AA
Power	90W Smart AC/Auto/Air Combo Adapter	AJ652AA#xxx
	90W Smart Auto/Truck Adapter	ED493AA
	HP 65W Slim Adapter	AX727AA#XXX
	90W Slim Adapter	BT796AA#XXX
	90W Slim Combo Adapter	H4A41AA
	90W w/USB Universal Adapter	НЗА4ЗАА
Security	HP UltraSlim Keyed Cable Lock	H4D73AA
Storage - External Storage	HP External USB Optical Drive	F2B56AA
Other	HP HDMI to VGA Adapter	F5A28AA
Monitors	HP EliteDisplay E271i 27-inch IPS LED Monitor	D7Z72AA/A8/AS/AT
	HP EliteDisplay E231 23-inch LED Monitor	C9V75AA/A8/AS/AT
	HP EliteDisplay E201 20-inch LED Monitor	C9V73AA/A8/AS/AT
	HP ProDisplay P221 21.5" LED Monitor	C9E49AA/A8/AS/AT
	HP ProDisplay P201 20" LED Monitor	C9F26AA/A8/AS/AT



Options and Accessories (sold separately and availability may vary by country)

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