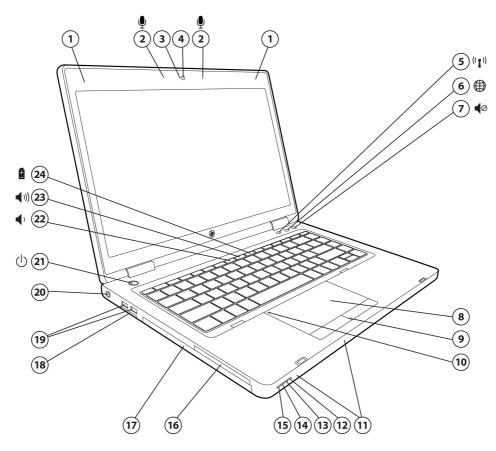
Overview

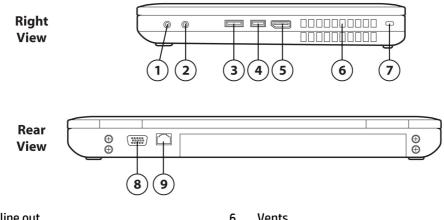


- 1. WLAN antennas
- 2. Dual-microphone array*
- 3. Webcam LED indicator (with optional webcam)
- 4. Optional 720p HD webcam
- 5. Wireless on/off button with LED indicator
- 6. Web browser button with LED indicator
- 7. Volume mute button with LED indicator
- 8. Touchpad with scroll zone
- 9. Touchpad pick buttons
- 10. Touchpad on/off button with LED indicator
- 11. Stereo speakers
- 12. Hard drive activity / HP 3D DriveGuard LED indicator

- 13. Battery charging LED indicator
- 14. Power/standby LED indicator
- 15 Wireless on/off LED indicator
- 16. ExpressCard/54 slot or optional Smart Card Reader
- 17. Upgrade Bay (optical drive, or weight saver)
- 18. Secure Digital slot
- 19. (2) USB 3.0 ports
- 20. Power connector
- 21. Power button with LED indicator
- 22. Volume down function key
- 23. Volume up function key
- 24. HP Power Assistant function key
- * Models without optional webcam have single integrated microphone on left side of display panel.

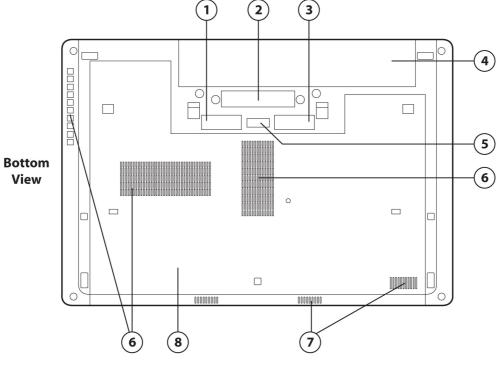


Overview



- Stereo headphone/line out 1.
- 2. Stereo microphone/line in
- 3. eSATA/USB 2.0 combo port
- 4. (1) USB 2.0 port
- 5. DisplayPort

- 6. Vents
- 7. Security lock slot
- 8. VGA/external monitor connector
- 9. RJ-45/Ethernet port



- Battery release latch 1.
- 2. Docking connector
- Bottom cover release latch 3.
- 4. Battery bay

- 5 Secondary battery connector
- 6. Vents
- 7. Speakers
- Speakers 8.



Overview

At A Glance

- Windows Embedded Standard 7 (WES7E 32-bit)
- 14.0-inch diagonal LED-backlit HD anti-glare (1366 x 768)
- Lightweight, professional design with bead-blast aluminum display enclosure, magnesium-reinforced chassis, wear-resistant tungsten-colored HP DuraFinish, HP DisplaySafe frame, precision latches, and keyboard in full aluminum deck
- Administrator control over read/write access to Solid State Drive and USB attached memory devices
- Weight starting at 4.78 lb (2.17 kg)
- 16 GB Solid State Drive for reliability, durability and increased battery life
- Full-sized spill-resistant keyboard with bottom-case drain, touchpad with scroll zone and gestures support, 3 discrete buttons (Web browser, WLAN on/off, and mute)
- Choice of primary battery to optimize run-time or weight: 9-cell (100 WHr) (optional) or 6-cell (55 WHr)
- Combine primary battery with optional secondary battery options (ST-09)
- Easily hot dock with the optional HP docking station
- HP Device Manager to track, configure, upgrade, clone and manage hundreds or thousands of thin clients
- Improved Quality of Experience for End User using HP Velocity
 - HP Velocity intelligently reduces network packet loss and retransmissions providing a better experience for the end user
 - O HP Velocity enables IT managers to monitor network activity and optimize end-user experience
 - Available only on HP thin clients
- VGA and DisplayPort v1.1a for dual external-monitor support, including high-definition displays
- Integrated Broadcom 802.11 a/b/g/n (2x2) wireless connectivity
- Integrated Secure Digital slot and ExpressCard/54 slot
- Optional integrated DVD-ROM drive
- Optional webcam



Features

OPERATING SYSTEM

Preinstalled

Windows Embedded Standard 7 (WES7E 32-bit)

PROCESSOR

3rd Generation Intel[®] Celeron B840 (1.90 GHz, 2 MB L3 cache, 35W, 2 cores, 2 threads)

* Dual Core is a new technology designed to improve performance of certain software products. Check with the software provider to determine suitability. Not all customers or software applications will necessarily benefit from use of this technology. **NOTE:** Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

CHIPSET

Mobile Intel® HM76 Express

GRAPHICS

Integrated: Intel[®] HD* Graphics 4000 *HD content required to view HD images.

DISPLAY

Internal 14.0" diagonal LED-backlit HD 16:9 anti-glare (1366 x 768) HP Privacy Filter support External Up to 32-bit per pixel color depth DisplayPort v1.1a

Supports resolutions up to 2560 x 1600, 30-bit color depth at 60 Hz, and full HD (1920 x 1080) monitors, 24-bit color depth at 120 Hz

VGA

Port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz

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

STORAGE AND DRIVES

Solid State Drive

OPTICAL DRIVES (OPTIONAL)

Fixed 12.7 mm SATA optical drive DVD-ROM Drive



Features

MEMORY

Standard

DDR3 PC3-12800 SDRAM (1600 MHz) One SODIMM slot with a 4 GB SODIMM

NOTE: 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

Secure, integrated wireless LAN options featuring support for the latest industry standards. Wireless LAN is factory configurable only.

Wireless LAN (WLAN)

Broadcom 802.11 a/b/g/n WiFi Adapter (2x2)

Communications

Integrated 82579V Gigabit Network Connection (HM76)**

* Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors. 4G compatibility with HSPA+ and LTE. 4G LTE is only available in the United States.

** The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

AUDIO/MULTIMEDIA

Audio

Integrated stereo speakers Integrated microphone (dual-microphone array when equipped with optional webcam) Button for volume mute; function keys for volume up and down Stereo headphone/line out Stereo microphone/line in

Webcam Optional 720p HD webcam

- HD format (widescreen)
- Supports videoconferencing and still image capture
- High quality fixed focus lens
- Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps
- M-JPEG compression supports higher frame rates for video capture and videoconferencing
- Improved low light sensitivity
- Improved dynamic range



Features

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

The HP spill-resistant keyboard is designed using a thin layer of Mylar film under the keyboard and a drain system that funnels fluid through a hole in the bottom of the notebook. This minimizes the risk of damage to sensitive components underneath. The 101/102-key compatible keyboard features an industry standard, full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. U.S. and International key layouts are available. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, brightness, and other features, 19 mm x 19 mm key pitch (center-to-center spacing), 2.0 mm stroke, and comfort-dished keycaps.

HP Night Light shines directly on keyboard for low-light conditions

Pointing Devices

Touchpad with on/off button, two-way scroll, gestures, two pick buttons

Buttons and Function Keys

Discrete buttons provide easy access to the following features: wireless on/off, Web browser, and volume mute. Function keys provide control of the following features: standby mode, external display, volume down, volume up, Power Control Panel Applet, and display brightness.

SOFTWARE AND SECURITY

Preinstalled Software with Windows Embedded Standard 7 (WES7E 32-bit)

HP Device Manager HP Velocity

Security

Standard

Security lock slot BIOS implemented to NIST guidelines

Optional

HP Combo Loc

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



Features

POWER

Power Supply

External 65W HP Smart AC Adapter Power cord included is 6-foot (1.8 meter). Total length including external AC adapter is 12 feet (3.66 meter). HP Fast Charge*

Primary Battery

HP 9-cell Lithium-Ion Battery (100 WHr) (optional) HP 6-cell Lithium-Ion Battery (55 WHr)

Battery Life**

9-cell (100 WHr)	Up to 15 hours and 15 minutes
6-cell (55 WHr)	Up to 8 hours and 15 minutes

with optional Up to 19 hours and 30 minutes HP ST09 Extended Life Notebook

Battery

System Standby Time

Up to 4 weeks

* Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to the HP Ultra Extended Life or 9-cell batteries. When the PC is powered on, charge time may increase and will vary based on the workload of the notebook PC.

**Battery life will vary depending on the 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 MobileMark07 battery benchmark http://www.bapco.com/products/mobilemark2007 for additional details.

Power Conservation

Standby ACPI compliance

ENVIRONMENTAL

ENERGY STAR IT ECO Declaration EPEAT TBD where HP registers commercial notebook products. See http://www.epeat.net for registration status in your country.

NOTE: 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.

WEIGHTS & DIMENSIONS

Weight

Starting at 4.78 lb (2.17 kg)

Dimensions (w x d x h)

13.31 x 9.11 x 1.34 in (at front) / 33.8 x 23.1 x 3.4 cm (at front)

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



HP mt40 Mobile Thin Client

Features

PORTS/SLOTS

Ports

VGA – One DisplayPort – One (v1.1a) Stereo headphone port – One Stereo microphone port – One Power Connector – One Docking Connector – One Secondary Battery Connector – One RJ-45 (Ethernet) – One USB 3.0 – Two USB 2.0 – One eSATA/USB 2.0 combo port– One

Digital Media Slots

1 ExpressCard/54 slot, 1 Secure Digital slot (SD/SDHC/SDXC)

SERVICE AND SUPPORT

Limited 3-year and 1-year warranty options available, depending on country, 1-year limited warranty on primary battery; 3-year limited warranty on HP Long Life Battery (only available with 3-year platform warranty). 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.

* 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. For details, visit http://www.hp.com/go/lookuptool **NOTE:** Certain restrictions and exclusions 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 V
	Average Operating Power	9.14 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 Contifications	CSA	Yes
Certifications	FCC Compliance	Yes
	ENERGY STAR®	Select models*
	EPEAT	Registered TBD in United States**
	ICES	Yes
	Australia /	Yes
	NZ A-Tick Compliance	
	כככ	Yes
	Japan VCCI Compliance	Yes
	KC	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 mt40 Mobile Thin Client that are ENERGY STAR qualified are identified as HP mt40 Mobile Thin Client 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.

DISPLAY

14.0-inch LED HD (1366 x 768)	Dimensions (W × H)	12.74 x 7.56 in (32.4 x	19.2 cm)
	Diagonal Size	14.0 in (35.6cm)	
anti-glare	Surface Treatment	Anti-glare	
	Contrast Ratio	400:1 (typical)	
	Refresh Rate	60 Hz	
	Brightness	200 nit (typical)	
	Pixel Resolution	Pitch	0.227 mm
		Format	1366 x 768
		Configuration	RGB Stripe
	Backlight	LED	
	PPI	112 ррі	
	Viewing Angle	±30° Horizontal, ±10° Vertical (minimum) 30/30/20/10 (Left/Right/Down/Up) (minimum) or 45/45/35/25 (Left/Right/Down/Up) (typical)	

STORAGE AND DRIVES

Internal Storage			
16-GB Solid State Drive	Drive Weight	50 grams	
	Capacity	16 GB (unformatted	
	Height	100.5 mm	
	Width	70 mm	
	Interface	SATA 6 GB/s	
	Performance	Maximum Sequential Read	Maximum Sequential Write
		Up to 450 MB/s	Up to 350 MB/s
	Logical Blocks	16,383 Cylinders, 16 heads	, 63 Sectors per Tracks.
	Operating Temperature	32° to 158°F (0° to 70°C) [ca	ase temp]
	Features	ATA Command Set ACS-2 NCQ support up to queue Advanced Flash Manageme nCache™ - Non Volatile W	nt:



Technical Specifications

Support for TRIM Dynamic & Static Wear-leveling Bad Block Management Background Garbage Collection Support for Performance throttling and Power Classes

Internal	Storage
----------	---------

DVD-ROM Drive (optional)	Access Times	Random	< 140 ms CD (typical) < 160 ms DVD (typical)
	Max Data Transfer Rate	24X CD-ROM 8X-DVD	
	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 isession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R,)-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, , DVD-RAM
	Supported Media (write)	None	
	Max Media Capacity (read)	8.5GB	
	Transport	Tray Loading	

NETWORKING/COMMUNICATIONS

Intel® 82579V Gigabit Network Connection	Ethernet Features	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 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 Mbti/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023. Clauses 40) 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) IEEE 802.3az EEE(Energy Efficient Ethernet) Jumbo Frame 9K Auto MDI/MDIX Crossover cable detection
	Power Management	ACPI compliant - multiple power modes Energy Detect Low Power Mode(Green Ethernet)
	Performance Features	TCP/IP/UDP Checksum Offload (configurable) Protocol Offload(ARP & NS) Large send offload and Giant send offload Receiving Side Scaling MACSec Offload (802.3ae) Intel vPro iSCSI Boot



Technical Specificatio	ins	
	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. NOTE: Intel 82579 PCIe interface is not PCIe compliant. It operates at half of PCIe specification V1.1 (2.5GT/S) speed.
	NIC Device Driver Name	Intel 82579LM/82579V Ethernet Network Connection
Broadcom 802.11 a/b/g/n WiFi Adapter (2x2)	Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n
	Interoperability	Wi-Fi certified Cisco Compatible Extensions Program compliant with Microsoft Windows 7, Windows Vista and XP (details at: http://www.hp.com/go/notebooks/WLAN)
	Frequency Band	2.4 GHz and 5 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: 6, 6.5, 9, 12, 13, 13.5, 18, 19.5, 24, 26, 27, 36, 39, 40.5, 48, 52, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 162, 216, 243, 270, 300 Mbps
	Frequency Support	20 MHz: 2.4 GHz and 5 GHz bands 40 MHz: 2.4 GHz and 5 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 4) 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
	Output Power (for CCK) ²	17 dBm , nominal
	Output Power (for OFDM; power varies by data rate) ²	15 dBm , nominal



Technical Specifications

Power Consumption	Idle associated: 250 mW Idle unassociated: 150 mW Transmit/Receive 20 MHz o Transmit/Receive 40 MHz o	hannel: 2.0 W (max)	
Power Management	ACPI compliant power man 802.11 compliant power sa		
Receiver Sensitivity ³	270 Mbps: -61dBm, 54 Mbp	os: -72 dBm, 11 Mbps: -85 dBm , 1 Mbps: -92 dBm	
Antenna Connections	High efficiency dual band antenna with spatial diversity, mounted in the display enclosure		
Form Factor	PCI-Express Half-MiniCard		
Weight	0.013 lb (6 ց)		
Dimensions	0.19 x 1.06 x 1.18 in (4.75 x 26.8 x 30 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 - Radio ON		
1 Check latest software/du	river release for undates on s	supported security features	

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).

4. 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.

AUDIO/MULTIMEDIA

Audio	SRS Premium Sound PRO	
Hardware	IDT 92HD87 High Definition CODEC	
	Function Key Volume Controls	Volume up, volume down
	Mute Key	Yes
	Full Duplex	Yes
	Microphone In	Stereo
	Headphone/Line Out	Stereo
	Integrated Microphone	Yes, dual digital microphone array when equipped with optional webcam



Technical Specifications

Audio Output Quality	Frequency Response	20 Hz - 20 kHz
	Signal to Noise Ratio	>85 dB
	Total Harmonic Distortion	0.01%
	Noise Floor	-110 dB
	Play/Record Sampling Rate(s)	8 kHz - 48kHz
	DAC	16, 20 or 24-bit
	ADC	16 or 20-bit
		- 1.1 · · ·

Integrated Stereo	Power Rating	2 Watts
Speakers	Impedance	4 ohms

POWER

HP 65W Smart AC Adapter	Dimensions	4.17 x 1.85 x 1.1 in (10.6 x 4.7 x 2.8 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, 0.85 A at 180 VAC	
	Output	Output power	65W	
		DC output	18.5V	
		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 interchangeable cords		
	Environmental Design	Operating temperature	32° to 104° F (0° to 40° C)	
		Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)	
		Altitude	0 to 10,000 ft (0 to 3,048 m)	
		Humidity	20% to 80%	
		Storage Humidity	10% to 90%	
	EMI and Safety Certifications	standards - IEC60950, EN6 C-UL-US, NORDICS, DENAN	vith LVD and EMC directives; Worldwide safety 0950, UL60950, Class1, SELV; Agency approvals - I, EN55022 Class B, FCC Class B, CISPR22 Class B, over 200,000 hours at 25°C ambient condition.	



Technical Specificat	ions			
HP 9-cell (100 WHr) Lithium-Ion Primary battery	Dimensions (H × W × L) Weight Cells/Type	0.8 x 2.4 x 8.1in (2 x 6.6 x 20.5cm) 1.1lb, (.488kg) Lithium-lon		
	Energy	Voltage	11.25V	
		Amp-hour capacity	8.85Ah	
		Watt-hour capacity	100Wh	
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)	
		Operating (Discharging)	14° to 122° F(-10° to 50° C)	
		Non-operating	-4° to 122° F (-20° to 50° C)	
	Battery Re-Charge Time	System in OFF or Standby Mode	3.5 to 5 hours	
		System ON	4 to 7 hours	
	Fuel Gauge LED	No		
	Warranty	1 year		
	Optional Travel Battery Available	Yes		
HP 6-cell (55 WHr)	Dimensions (H × W × L)	0.8 x 1.8 x 8.0in (2.0 x 4.7 x 20.5cm)		
Lithium-Ion Primary	Weight	.70lb, (.313kg)		
battery	Cells/Type	Lithium-Ion		
	Energy	Voltage	10.8V	
		Amp-hour capacity	5.1Ah	
		Watt-hour capacity	55Wh	
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)	
		Operating (Discharging)	14° to 122° F(-10° to 50° C)	
		Non-operating	-4° to 122° F (-20° to 50° C)	
	Battery Re-Charge Time	System in OFF or Standby Mode	2.5 hours	
		System ON	3 to 5 hours	
	Fuel Gauge LED	No		
	Warranty	1 year		
	Optional Travel Battery Available	Yes		



Technical Specifications

Optional HP STO9 Extended Life Notebook Battery ("Travel Battery") (secondary battery)	Dimensions (H × W × L)	1.2 x 6.1 x 12 in (3x15.5x30.5cm)	
	Weight (max)	1.2lb, (.550kg)	
	Cells/Type	Lithium-Ion Polymer	
	Energy	Voltage	11.1V
		Amp-hour capacity	6.6Ah
		Watt-hour capacity	73Wh
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)
		Operating (Discharging)	14° to 122° F(-10° to 50° C)
		Non-operating	-4° to 122° F (-20° to 50° C)
	Battery	System in OFF or	3.5 to 5 hours
	Re-Charge Time	Standby Mode	
		System ON	4 to 7 hours
	Fuel Gauge LED	Yes	
	Warranty	1 year	
	Compatible with optional Travel Battery	Yes	



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

Туре	Description	Part #
Docking	HP 90W Docking Station	A7E32AA#xxx
	HP 90W Docking Station TAA	A7E32AA#xxx
Power	HP ST09 Extended Life Notebook Battery	QK639AA
	HP CC09 Notebook Battery	QK643AA
Security	HP Keyed Cable Lock	BV411AA
	HP 14.0-inch Display Privacy Filter	AU100AA#xxx

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