QuickSpecs

Overview

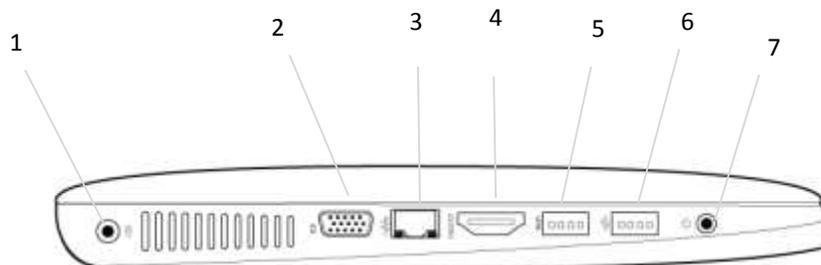**HP 255 G4 Notebook PC**
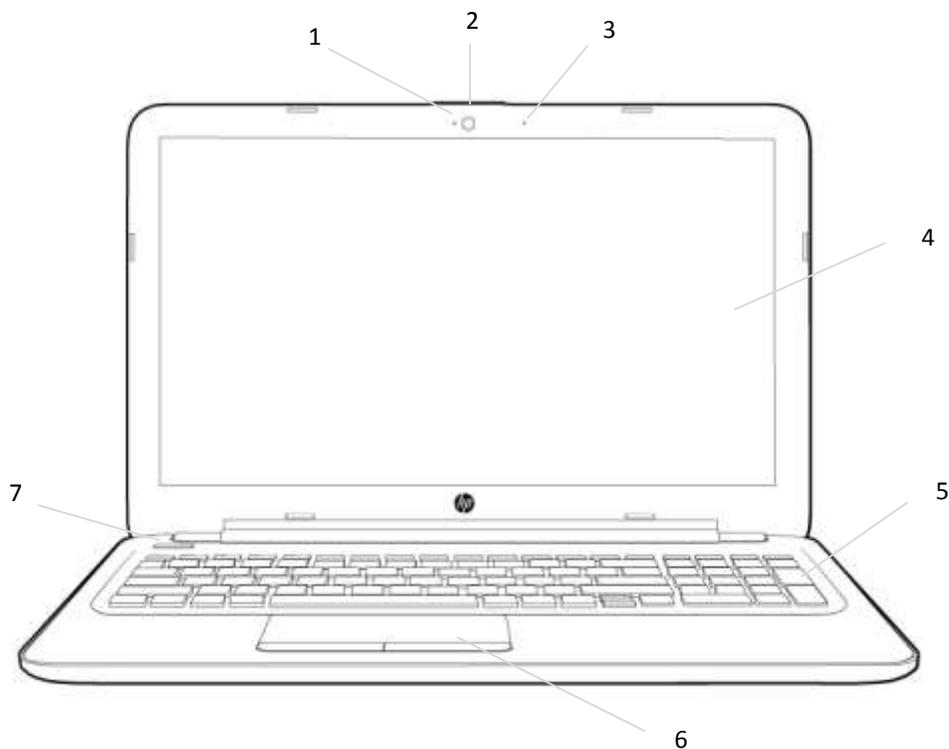
Front view

1.	Web LED	5.	Keyboard
2.	Webcam	6.	Touchpad
3.	Microphone	7.	Power button
4.	15.6" diagonal display		

QuickSpecs

Overview

Left side view

1. Power connector
2. VGA port
3. RJ45
4. HDMI port

5. USB port
6. USB port
7. Headphone / Microphone-in combo jack

Right side view

1. Card reader
2. USB port

3. Optical drive door (On select models)

QuickSpecs

Overview

AT A GLANCE

- Windows 8.1 versions, Windows 7 Pro 64 bit (available through downgrade rights from Windows 8.1 Pro), FreeDOS 2.0
- AMD APUs (Accelerated Processing Unit) with Radeon™ Graphics
- Memory up to 8 GB
- Hard drives up to 1 TB
- 15.6" diagonal HD SVA anti-glare flat LED-backlit (1366 x 768)
- Full-sized textured black island-style keyboard
- Touchpad with multi-touch gestures enabled
- VGA port and HDMI port (for connecting to high-resolution displays)
- Integrated webcam and microphone
- Flexible wireless connectivity options
  - 802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo
  - 802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo
  - 802.11b/g/n (1x1) Wi-Fi

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

QuickSpecs

Features

PRODUCT NAME

HP 255 G4 Notebook PC

OPERATING SYSTEM

Preinstalled   Windows 8.1 Pro 64[1]
                          Windows 8.1 64[1]
                          Windows® 7 Professional 64 (available through downgrade rights from
                          Windows 8.1 Pro 64) [2]
                          FreeDOS 2.0

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. See http://www.microsoft.com.

2. 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.

ACCERATED PROCESSOR UNIT

AMD Dual-Core E1-6015 APU with Radeon™ R2 Graphics (1.4 GHz, 1 MB cache)
AMD Quad-Core A6-6310 APU with Radeon™ R4 Graphics (1.8 GHz, up to 2.4 GHz, 2 MB cache)
AMD Quad-Core A8-7410 APU with Radeon™ R5 Graphics (2.2 GHz, up to 2.5 GHz, 2 MB cache)

1. This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology. Multi-core processing with AMD technology is designed to improve performance of this system. Given the wide range of SW applications available, performance will vary. AMD's numbering is not a measurement of clock speed.

    NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

CHIPSET

AMD SoC (chipset is integrated with processor)

GRAPHICS

Integrated:
AMD Radeon™ R2[1]
AMD Radeon™ R4[1]
AMD Radeon™ R5

1. HD content required to view HD images.

Features
DISPLAY

Internal
15.6" diagonal HD[1] SVA anti-glare flat LED-backlit (1366 x 768)

1. HD content required to view HD images.

External
Up to 32-bit per pixel color depth
VGA
Port supports resolutions up to 1920 x 1200 external resolution @60 Hz
HDMI
v1.4 supporting: up to 1920 x 1080 @ 60Hz (HDMI cable sold separately.)

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

STORAGE AND DRIVES

Primary Storage Bay
Supports all 7mm/9.5mm, SATA 2.5" Hard Drives

Hard Drives[1]
500 GB 5400 rpm SATA Hard Drive
750 GB 5400 rpm SATA Hard Drive
1 TB 5400 rpm SATA Hard Drive

500 GB 7200 rpm SATA Hard Drive

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

OPTICAL DRIVES

Optional Optical Drive
DVD+/-RW SuperMulti DL Drive[1, 2]

1. 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.
2. Sold separately or as an optional feature.
3.

MEMORY

Standard
Two SODIMM slots
DDR3L-1333 Single Channel Support (DDR3L-1600 downgrade to DDR3L-1333) (Transfer rates up to 1333 MT/s)
DDR3L-1600 Single Channel Support (Transfer rates up to 1600 MT/s)
NOTE: Memory is non customer accessible / upgradeable

2048 MB (2048 MB x 1)

Features

4096 MB (2048 MB x 2)
4096 MB (4096 MB x 1)
6144 MB (2048 MB x 1 + 4096MB x 1)
8192 MB (4096 MB x 2)
8192 MB (8192 MB x 1)

Maximum

Up to 8 GB

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.

NETWORKING/COMMUNICATIONS

Wireless

802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo [1,2]
802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo[1,2]
802.11b/g/n (1x1) Wi-Fi[1,2]

Note: Compatible with Miracast-certified devices (Windows 8.1)

Communications

Realtek Ethernet (10/100) NIC

1. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
2. Sold separately or as an optional features.

AUDIO/MULTIMEDIA

Audio

DTS Studio Sound
Dual speakers
Single digital microphone

Webcam

VGA camera (select models)
640 x 480 by 24 frames per second
HD[2] camera - Fixed (no tilt) (select models)
1280 x 720 by 30 frames per second

1. Internet access required.
2. HD content required to view HD images.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Full-sized textured black island-style keyboard

Pointing Devices

Features

Touchpad with multi-touch gestures enabled
Taps enabled as default
Default on for 2-finger scroll and pinch

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

Buy Office
Windows 8.1 Recovery Manager Installer
Cyberlink Media Suite
Cyberlink Youcam DE
Cyberlink Power 2Go Desktop
Cyberlink PowerDVD/Power Media Player 12   (On select models)
McAfee™ Central-Metro[1]
McAfee™ LiveSafe[1]
Getting Started with Win 8 Metro
Snapfish

Security

Firmware TPM[2] (Available on select models)
Security Lock slot (Lock sold separately)

1. 30 day trial period. Internet access required to receive updates. First update included. Subscription required for updates thereafter.
2. Requires Windows 8.1.

POWER

Power Supply

HP 45W Smart AC adapter (UMA SKU)
HP 65W Smart AC adapter (Discrete SKU)
HP 65W EM Smart AC adapter (China and India)

Primary Battery

3-cell, 31 WHr Li-ion
4-cell, 41 WHr Li-ion

Battery Life

TBD

System Standby Time

TBD

Power Conservation

Hibernation
Standby
ACPI compliance

WEIGHTS & DIMENSIONS

Weight

QuickSpecs

Features

Starting at 4.73 lb / 2.1 kg
Weight will vary by configuration.

Dimensions (w x d x h)

15.12 x 10.02 x 0.95 in
38.43 x 25.46 x 2.43 cm

NOTE: Height varies depending upon where on the notebook the measurement is made.

PORTS/SLOTS

1 USB 3.0
2 USB 2.0
1 VGA
1 HDMI[1]
1 Headphone / Microphone-in combo jack

1 AC power
1 RJ-45
NOTE: HDMI cable sold separately.

Digital Media Slots
Supports SD/SDHC/SDXC
Supports mini versions with adapter

SERVICE AND SUPPORT

HP Services offers 1-year and 90 day limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services[1,2] are optional extended service contracts that go beyond the standard limited warranties. 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/cpc.

1. Sold separately or as an optional feature.
2. Service levels and response times for HP Care Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc

QuickSpecs

Technical Specifications

STORAGE AND DRIVES500 GB* 7200 rpm
SATA Hard Drive

Drive Weight	0.25 lbs (115g)		
Capacity	500 GB		
Height	0.275 in (7 mm)		
Width	2.75 in (70 mm)		
Interface	ATA-8, SATA 3.0, 6.0 Gb/s, NCQ		
Transfer Rate	**Synchronous** (maximum)	600 MB/s (Drive Capability)	
Seek Time (typical reads, including settling)	**Single Track**	2 ms	
	Average	13 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		

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

QuickSpecs

Technical Specifications

ENVIRONMENTAL

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 registered in the United States. See http://www.epeat.net for registration status in your country.

System Configuration

The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook".

Energy Consumption (in accordance with US ENERGY STAR® test method)

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation (Short idle)	8.92 W	10.45 W	10.73 W
Normal Operation (Long idle)	7.03 W	6.65 W	7.04 W
Sleep	1.15 W	1.15 W	1.20 W
Off	0.29 W	0.30 W	0.29 W

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.

Heat Dissipation*

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation (Short idle)	31 BTU/hr	36 BTU/hr	37 BTU/hr
Normal Operation (Long idle)	24 BTU/hr	23 BTU/hr	24 BTU/hr
Sleep	4 BTU/hr	4 BTU/hr	4 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: 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)

Sound Power	Sound Pressure
(L_{WAd}, bels)	(L_{pAm}, decibels)

Technical Specifications

Typically Configured – Idle	3.1	24
Fixed Disk – Random writes	3.1	24

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:

- 3 USB ports
- 1 PC card slot (type I/II)
- 1 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- Optional expansion base docking station
- 1 multi-bay II storage port
- Interchangeable HDD

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

Batteries   This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:
   Mercury greater the1ppm by weight
   Cadmium greater than 20ppm by weight

Battery size: CR2032 (coin cell)
Battery type: Lithium

Additional Information
- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.
- 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).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the gold level, see www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.
- This product contains 0 % post-consumer recycled plastic (by wt.)
- This product is 94.9 % recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	408.1 g
Internal:	PLASTIC/EPE (Expanded Polyethylene)	45 g
	PLASTIC/Polyethylene low density	10.6 g

 The plastic packaging material contains at least 80.9 % recycled content.
 The corrugated paper packaging materials contains at least 75.8% 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):

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Technical Specifications

- 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 (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- 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.

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.

Technical Specifications

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

COUNTRY OF ORIGIN

China

QuickSpecs

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

Category	Description	Part Number
Carrying Cases	HP Essential Top Load Case (up to 15.6")	H2W17AA
	HP Essential Backpack (up to 15.6")	H1D24AA
	HP Professional Series Carrying Case (up to 15.6")	H4J90AA
Docking		
	HP Adjustable Display Stand	AW663AA
	HP LCD Monitor Stand	QM196AA
	HP 3001pr USB 3 Port Replicator	F3S42AA
Input/Output		
	HP Wireless Mobile Mouse	H2L63AA
	HP USB Essential Keyboard/Mouse	H2S75AA
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP Stylish USB KB/Mouse	H4B80AA
Memory		
	HP 4GB DDR3L-1600 1.35V SODIMM	H6Y75AA
	HP 8GB DDR3L-1600 1.35V SODIMM	H6Y77AA
Adapters		
	HP 45W Smart AC Adapter (4.5mm) (PL MP only)	H6Y88AA
	HP 65W Smart AC Adapter (4.5mm)	H6Y89AA
	HP 90W Smart AC Adapter (4.5mm)	H6Y90AA
	HP 65W Slim AC Adapter	H6Y82AA
	HP 90W Slim AC Adapter	H6Y83AA
	HP 65W Smart Travel AC Adapter	J0E43AA
Security		
	HP Notebook Combo Lock	AY475AA
	HP UltraSlim Keyed Cable Lock	H4D73AA
	HP USB Smart Card Reader	F6V67AA
Storage		
	HP External USB Optical Drive	F2B56AA
	HP Wireless Display Adapter	J1V25AA
Health and Education		
	20 Notebook Charging Cart	QL488AA
	30 Notebook Charging Cart	H4F31AA
Monitors		
	HP V242h 24-inch LED Backlit Monitor	K6X12AA
	HP S140u 14-inch USB Monitor	G8R65AA/T

Summary of Changes

Date of change:	Version History:		Description of change:
April 29, 2015	V1 to v2	Added	Environmental data.