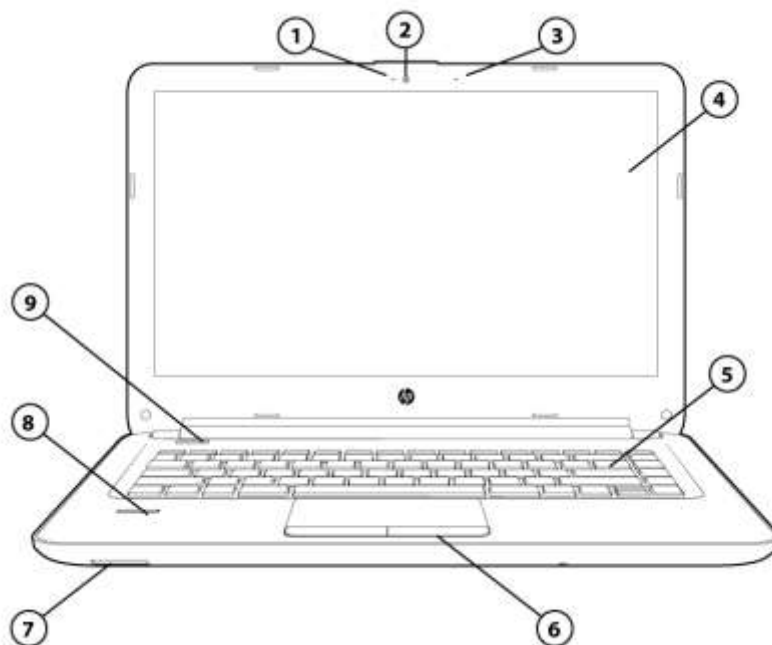


QuickSpecs

Overview

HP 340/348 Notebook PC



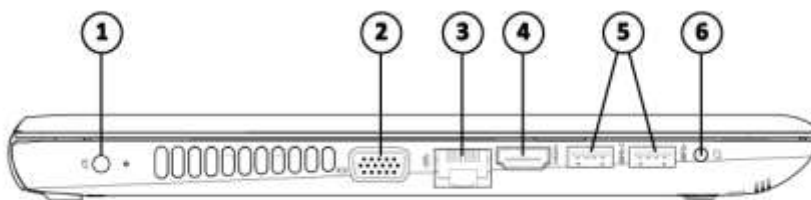
1. Webcam LED
2. Webcam
3. Microphone
4. 14" diagonal display
5. Keyboard

6. Touchpad
7. Card reader
8. Fingerprint reader
9. Power button



QuickSpecs

Overview



Left side view

- | | |
|---------------------|---|
| 1. Power connector | 5. USB ports (2) |
| 2. VGA port | 6. Headphone / Microphone-in combo jack |
| 3. RJ-45 (Ethernet) | |
| 4. HDMI port | |



Right side view

- | | |
|---------------------------------------|--|
| 1. LED indicators (power, hard drive) | 3. Optical drive door (On select models) |
| 2. USB 3.0 ports (2) | 4. Security lock slot |



Overview

AT A GLANCE

- Windows 10 Home 64bit, Windows 10 Pro 64bit, Neokylín, **FreeDOS 2.0**
- Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor;
- Integrated Intel® HD Graphics or Discrete AMD Radeon™ R5 M430
- Memory up to 16 GB
- Hard drives up to 1 TB
- Battery life up to 7 hours 45 minutes ¹
- 14" diagonal HD eDP anti-glare Slim LED-backlit (1366 x 768)
- 14" diagonal FHD eDP anti-glare Slim LED-backlit (1920X1080)
- Full-sized spill resistance 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) and Bluetooth® 4.2 Combo
 - 802.11a/b/g/n (2x2) and Bluetooth® 4.2 Combo

Intel 802.11a/b/g/n (2x2) WiFi and Bluetooth® 4.0 Combo

1. Windows 10 MM14 battery life will vary depending on various 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 <http://www.bapco.com> for additional details.

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



Features

PRODUCT NAME

HP 340/348 G4 Notebook PC

OPERATING SYSTEM

Preinstalled

Windows 10 Pro 64¹
Windows 10 Home 64¹
Neoklylin Linux 64²
FreeDOS 2.0

* Note: Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.

**Note: Your product does not support Windows 8 or Windows 7

In accordance with Microsoft's support policy, HP does not support the Windows[®] 8 or Windows 7 operating system on this product or provide any Windows[®] 8 or Windows 7 drivers on <http://www.support.hp.com>.

PROCESSORS

Intel[®] Core™ i7-7500U with Intel[®] HD Graphics 620 (2.7 GHz with Intel[®] Turbo Boost Technology, 4 MB cache, 2 cores)¹
Intel[®] Core™ i5-7200U with Intel[®] HD Graphics 620 (2.5 GHz, up to 2.8 GHz with Intel[®] Turbo Boost Technology, 3 MB cache, 2 cores)¹
Intel[®] Core™ i3-7100U with Intel[®] HD Graphics 620 (2.4 GHz, 3 MB cache, 2 cores)¹

1. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
2. HD content required to view HD images.

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

CHIPSET

Intel[®] SoC (chipset is integrated with processor)

GRAPHICS

Integrated:

Intel[®] HD¹ Graphics 620



Features

Intel® HD¹ Graphics
Intel® HD¹ Graphics 610

Discrete:

AMD Radeon™ R5 M430 (2 GB DDR3 dedicated,)²
Support HD Decode, DX12, and HDMI

1. HD content required to view HD images.
2. AMD Dynamic Switchable Graphics technology requires an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeDOS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).

DISPLAY

Internal

14" diagonal HD¹ eDP anti-glare Slim LED-backlit (1366 x 768)

14" diagonal FHD¹ eDP anti-glare Slim LED-backlit (1920 x 1080)

1. HD content required to view HD images.

External

Up to 32-bit per pixel color depth

VGA

Port supports **1080p external resolution** @60 Hz

HDMI

v1.4 supporting: up to 1920x1200 @ 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 Drives¹

500 GB 7200 rpm SATA Hard Drive

500 GB - 5400 RPM SSHD (8GB Cache)

256G/512G 2280 TLC M.2 SSD (HP 348 only)

1 TB 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 10) is reserved for system recovery software

OPTICAL DRIVES



Features

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.

MEMORY

Standard

DDR4 - 2133 (Transfer rates up to 2133 MT/s)

Dual channel support

NOTE: Memory is non customer accessible / upgradeable

4096 MB (4096 MB x 1)

8192 MB (8192 MB x 1)

16384 MB (8192 x 2)

Maximum

Up to 16 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) and Bluetooth® 4.0 Combo^{1,2}

Wireless 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo^{1,2}

Wireless 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo^{1,2}

Communications

Realtek Ethernet (10/100/1000) NIC (On select models)

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 feature.

AUDIO/MULTIMEDIA

Audio

DTS Studio Sound™

Dual speakers Dual digital microphone on webcam configuration & Single digital microphone for non-webcam configuration



Features

Webcam

640 x 480 by 24 frames per second
HD² 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 spill resistance keyboard

Pointing Devices

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
Cyberlink Media Suite
Cyberlink Youcam DE

Security

Firmware TPM
Security Lock slot (Lock sold separately)

POWER

Power Supply

HP 65W Smart adapter
HP 65W EM Smart AC adapter (PRC & India)

Primary Battery

4-cell, 40 WHr Li-ion LLB type
6-cell, 47 WHr Li-ion

Power Conservation

Hibernation
Standby
ACPI compliance



Features

WEIGHTS & DIMENSIONS

Weight

Starting at 4.4 lb (2 kg)
Weight will vary by configuration.

Dimensions (w x d x h)

13.59 x 9.51 x .09 in
34.54 x 24.15 x 2.39 cm

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

PORTS/SLOTS

4 USB 3.0

1 VGA

1 HDMI¹

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



Technical Specifications

STORAGE AND DRIVES

500 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 10) of system disk is reserved for the system recovery software.

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® <Silver> 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”.



Technical Specifications

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

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation (Short idle)	7.65 W	7.97 W	7.84 W
Normal Operation (Long idle)	4.97 W	5.64 W	5.42 W
Sleep	0.99 W	0.99 W	0.97 W
Off	0.41 W	0.41 W	0.40 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)	28 BTU/hr	28 BTU/hr	27 BTU/hr
Normal Operation (Long idle)	18 BTU/hr	20 BTU/hr	19 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 50 7779 and ISO 9296)

	Sound Power (L _{WA} d, bels)	Sound Pressure (L _{pAm} , decibels)
Typically Configured – Idle	2.3	23



Technical Specifications

Fixed Disk – 3.2 32
 Random writes

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:

- 4 USB 3.0 ports
- 1 SD card slot
- Optional expansion base docking station

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 the 1ppm 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 95.2% recycle-able when properly disposed of at end of life.

Packaging Materials **External:** PAPER/Corrugated 386 g

Internal: PLASTIC/EPE - Expanded Polyethylene 45 g
 PLASTIC/Polyethylene low density 22 g

The plastic packaging material contains at least 50% recycled content.
 The corrugated paper packaging materials contains at least 70% 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/qse.pdf>):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins



Technical Specifications

- 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

HP 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

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

**Environmental
Information**

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/qcreport/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



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 Slim Bluetooth Mouse	F3J92AA
	HP Stylish USB KB/Mouse	H4B80AA
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	JOE43AA
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



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