

## System features

## System features

### Operating system

Windows 10 Pro 64 [1](#)

Windows 10 Home 64 – HP recommends Windows 10 Pro. [1](#)

FreeDOS

### Processor family

8th Generation Intel® Core™ i7 processor (i7-8650U)

8th Generation Intel® Core™ i7 processor (i7-8550U)

8th Generation Intel® Core™ i5 processor (i5-8350U)

8th Generation Intel® Core™ i5 processor (i5-8250U)

7th Generation Intel® Core™ i7 processor (i7-7600U)

7th Generation Intel® Core™ i7 processor (i7-7500U)

7th Generation Intel® Core™ i5 processor (i5-7300U)

7th Generation Intel® Core™ i5 processor (i5-7200U) [4](#)

### Processor

Intel® Core™ i7-8650U vPro™ processor with Intel® UHD graphics 620 (1.9 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)

Intel® Core™ i7-8550U with Intel® UHD graphics 620 (1.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)

Intel® Core™ i7-7600U vPro™ processor with Intel® HD Graphics 620 (2.8 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores)

Intel® Core™ i7-7500U with Intel® HD Graphics 620 (2.7 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores)

Intel® Core™ i5-8350U vPro™ processor with Intel® UHD Graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)

Intel® Core™ i5-8250U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.4 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)

Intel® Core™ i5-7300U vPro™ processor with Intel® HD Graphics 620 (2.6 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 3 MB cache, 2 cores)

Intel® Core™ i5-7200U with Intel® HD Graphics 620 (2.5 GHz base frequency, up to 3.1 GHz with Intel® Turbo Boost Technology, 3 MB cache, 2 cores) [2,3,4](#)

### Processor technology:

Intel® vPro™ Technology

### Environmental

Low halogen

TCO 5.0 Certified [34](#)

## Dimensions and weight

## Dimensions and weight

### Dimensions (W x D x H)

32.6 x 23.4 x 1.79 cm

## Weight

Starting at 1.48 kg (non-touch); Starting at 1.61 kg (touch)

*(Weight will vary by configuration.)*

## Memory

## Memory

### Maximum memory

32 GB DDR4-2400 SDRAM

*(Dual channel support.)*

### Memory Slots:

2 SODIMM

## Storage

## Storage

### Internal drive

256 GB up to 1 TB PCIe® NVMe™ M.2 SSD [6](#)

128 GB up to 256 GB M.2 SATA SSD [6](#)

## Display and graphics

## Display and graphics

### Display

- 35.6 cm (14") diagonal FHD IPS anti-glare LED-backlit, 220 cd/m<sup>2</sup>, 67% sRGB (1920 x 1080)
- 35.6 cm (14") diagonal FHD IPS LED-backlit touch screen with Corning® Gorilla® Glass 3, 220 cd/m<sup>2</sup>, 67% sRGB (1920 x 1080)
- HP Sure View 35.6 cm (14") diagonal FHD IPS LED-backlit touch screen with Corning® Gorilla® Glass 3, 700 cd/m<sup>2</sup>, 100% sRGB (1920 x 1080)
- 35.6 cm (14") diagonal 4K IPS anti-glare LED-backlit, 400 cd/m<sup>2</sup>, 100% sRGB (3840 x 2160)
- HP Sure View 35.6 cm (14") diagonal FHD IPS anti-glare LED-backlit, 700 cd/m<sup>2</sup>, 100% sRGB (1920 x 1080)
- 35.6 cm (14") diagonal FHD IPS anti-glare LED-backlit, 400 cd/m<sup>2</sup>, 100% sRGB (1920 x 1080)

[11,13,14,15](#)

### Graphics

#### Integrated:

Intel® UHD Graphics 620

Intel® HD Graphics 620

#### Discrete:

AMD Radeon™ RX 540 (2 GB GDDR5 dedicated) [11](#)

## Expansion features

## Expansion features

### Ports

- 1 Thunderbolt™ (USB Type-C™ connector)
  - 2 USB 3.1 Gen 1 (1 charging)
  - 1 HDMI 1.4b
  - 1 RJ-45
  - 1 docking connector
  - 1 headphone/microphone combo
  - 1 AC power
- (HDMI cable sold separately.)*

### Audio

- Bang & Olufsen, dual stereo speakers, integrated multi array microphone

### Camera

HD camera; HD IR webcam [11,12](#)

### Keyboard

HP Premium Collaboration Keyboard spill resistant with drain, optional backlit

### Pointing device

Clickpad with multi-touch gesture support, taps enabled as default

## Communications

## Communications

### Network interface

HP Module with NXP NFC Controller NPC300 I2C NCI  
Intel® I219-LM GbE, vPro™  
Intel® I219-V GbE, non-vPro™ [10](#)

### Wireless

Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, vPro™  
Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™  
Realtek 802.11ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™  
HP lt4132 LTE/HSPA+ Mobile Broadband Module  
Intel® XMM™ 7360 LTE-Advanced [7,8,9](#)

### Sensors

Ambient light sensor [13](#)

## Power and operating requirements

## Power and operating requirements

Energy efficiency

ENERGY STAR® certified and EPEAT® Gold registered [33](#)

Power supply

- HP Smart 65 W External AC power adapter
- HP Smart 65 W EM External AC power adapter
- HP Smart 65 W USB Type-C™ adapter
- HP Smart 45 W External AC power adapter
- HP Smart 45 W USB Type-C™ adapter

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Battery type:

- HP Long Life 3-cell, 50 Wh Li-ion

Battery life

Up to 14 hours [35](#)

*(Battery is internal and not replaceable by customer. Serviceable by warranty.)*

## Security management

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Security management

Absolute persistence module

HP BIOSphere Gen4

HP Device Access Manager

HP DriveLock and Automatic DriveLock

HP Fingerprint Sensor

HP Password Manager

HP Secure Erase

HP Security Manager

Power-on authentication

Preboot authentication

TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified)

HP Sure Click

HP SureStart Gen4

Windows Defender [23,24,25,26,27,28,29,36](#)

## What's included

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Software

HP 3D DriveGuard

HP Connection Optimizer

HP Hotkey Support

HP JumpStart  
HP LAN Protection  
HP Noise Cancellation Software  
HP Recovery Manager  
HP Support Assistant  
HP Velocity  
Native Miracast support  
HP Client Security Gen4  
Buy Office (Sold separately) [9,17,19](#)

Management features

HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen2; Ivanti Management Suite [20,21,22](#)