



# HP ProBook x360 11 G4 EE Notebook PC (6MR51EA)



## Overview

### School-ready and adaptable to every style of learning

Improve learning outcomes, save teachers time, and engage students with our thinnest rugged convertible, the versatile, manageable HP ProBook x360 11 G4 Education Edition. It has integrated security and is driven by 8th Gen Intel® Core™ processors[2] and enhanced with a 3D Mixed Reality Viewer.

### Built for blended and mobile learning

Empower students with a device that's thinner than its predecessor yet still survives everyday bumps with shock-absorbing molded rubber trim, a reinforced power port, Corning® Gorilla® Glass 3, and a pick- and minor spill-resistant keyboard.

### Let students learn how they learn best

Give students the freedom to choose how they learn. A 360° hinge allows the device to flip and fold into notebook, stand, tent, and tablet modes, optional dual cameras[3] capture and share in all of them, and an optional pen[4] enhances screen inputs.

### Optimized for easy, efficient management and security

Maximize your investment with a serviceable design and integrated software like HP Manageability Integration Kit[5] to manage systems across the OS, HP BIOSphere Gen4[6] for automatic BIOS updates, and embedded TPM to help protect sensitive data.

### Smart, efficient processing

Enable students to work on multiple applications, run simulations, and edit videos simultaneously without being slowed down with the impressive productivity and graphics performance of the latest 8th Gen Intel® Core™ processors.[2]

## Features

### A friendly, familiar OS

Deploy a device with the Windows 10 Pro OS that's already second nature to your students and teachers.<sup>[1]</sup>

### Productivity for the long haul

Help teachers and students power through their day with up to 15 hours battery life.<sup>[7]</sup>

### Connect, develop, and explore

Reimagine creativity with the 3D Mixed Reality Viewer. Use the software to overlay digital 3D objects onto real-world image captures from either of the cameras and edit for collages, videos, and more.

### Learn everywhere

Get a hardened device that passes HP's Total Test Process, 76 cm drop on concrete, and MIL-STD 810G, and has a heathered gray resin design that's easy to grip and keep clean.<sup>[8,9,10]</sup>

### Keep it clean

Help promote cleanliness in the classroom with a keyboard that can be wiped down repeatedly with common household cleaning wipes.<sup>[13]</sup>

### Enhanced interactivity to improve student engagement

Put a new spin on classroom interaction with our most advanced activity light in a rugged convertible. The HP Interactive Light simplifies group breakouts, Q&As, and ID of online status.

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[1] 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.windows.com>.

[2] 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, branding and/or naming is not a measurement of higher performance.

[3] Optional rear-facing camera is available on select configurations only. Front-facing camera is standard on all models.

[4] Sold separately or as an add-on feature.

[5] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

[6] HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.

[7] 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 [www.bapco.com](http://www.bapco.com) for additional details.

[8] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[9] Drop test is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[10] MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[13] See user guide for cleaning instructions. Commonly used household cleaning solution wipes tested to 1,000 wipes include: n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%); Dimethyl Benzyl Ammonium Chloride 0.184%; n-Alkyl (C12, 68%; C14, 32%) Dimethyl Ethylbenzyl Ammonium Chloride 0.184%, other ingredients 99.632%. And solution: water, Ammonium Hydroxide, Propylene Glycol, Alkyl Polyglycoside, 2-Hexoxyethanol, fragrance.

## Specifications

<b>Operating system</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro.
<b>Processor family</b>	Intel® Core™ M processor
<b>Processor</b>	Intel® Core™ m3-8100Y with Intel® HD Graphics 615 (1.1 GHz base frequency, up to 2.7 GHz burst frequency, 4 MB cache, 2 cores) <sup>[6,7]</sup>
<b>Memory</b>	8 GB LPDDR3-1866 SDRAM
<b>Internal Storage</b>	256 GB PCIe® NVMe™ M.2 SSD
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics 615
<b>Display</b>	29.46 cm (11.6") diagonal HD IPS eDP LED-backlit touch screen, 220 cd/m², 70% sRGB (1366 x 768)
<b>Display</b>	11.6" diagonal HD IPS eDP LED-backlit touch screen, 220 cd/m², 70% sRGB (1366 x 768) [15,18,19]
<b>Display size (diagonal)</b>	29.46 cm (11.6")
<b>Display size (diagonal)</b>	11.6"
<b>Audio features</b>	HD audio, dual speakers
<b>Minimum dimensions (W x D x H)</b>	30 x 20.59 x 1.99 cm
<b>Minimum dimensions (W x D x H)</b>	11.8 x 8.11 x 0.78 in
<b>Weight</b>	Starting at 1.44 kg (touch) <i>(Weight will vary by configuration.)</i>
<b>Weight</b>	Starting at 3.17 lb (touch) <i>(Weight will vary by configuration.)</i>
<b>Keyboard</b>	Full-size, spill and pick resistant keyboard
<b>Camera</b>	5 MP camera (world-facing)
<b>Ports</b>	2 USB 3.1 Gen 1; 1 USB Type-C™ (Data transfer, power delivery); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 2.0a; 1 AC power <i>(Cables are not included.)</i>
<b>Expansion slots</b>	1 multi-format digital media reader <i>(Supports SD, SDHC, SDXC.)</i>
<b>Wireless</b>	Intel® Dual Band Wireless-AC 9260 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™
<b>Power</b>	HP Smart 45 W External AC power adapter <sup>[38]</sup>
<b>Battery type</b>	HP Long Life 3-cell, 48 Wh Li-ion prismatic
<b>Energy efficiency</b>	ENERGY STAR® certified
<b>Management features</b>	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen2; Ivanti Management Suite <sup>[22,23,24]</sup>
<b>Environmental</b>	Low halogen; TCO 5.0 Certified
<b>Security management</b>	Absolute persistence module; HP BIOSphere Gen4; HP Client Security Gen3; HP Device Access Manager; HP DriveLock and Automatic DriveLock; 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 Wireless Wakeup; RAID configurations; Windows Defender. <sup>[25,26,27,28,29,30,31,32,33,34,35,36]</sup>
<b>Warranty</b>	HP Services offers 1-year limited warranties and 90 day software 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. Refer to <a href="http://www.hp.com/support/batterywarranty/">http://www.hp.com/support/batterywarranty/</a> for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services 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: <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a> . <sup>[39]</sup>

## Additional specifications

<b>Accessories</b>	HP Essential Backpack (up to 15.6") H1D24AA; HP USB Travel Dock TOK30AA; HP 3-Button USB Laser Mouse H4B81AA; HP 45W Smart AC Adapter 4.5mm H6Y88AA; HP External USB Optical Drive F2B56AA
<b>Battery life note</b>	Battery is internal and not replaceable by customer. Serviceable by warranty.
<b>Display</b>	11.6" diagonal HD touch display
<b>Display</b>	29.46 cm (11.6") diagonal HD touch display
<b>Legal tagline</b>	HP recommends Windows 10 Pro.
<b>MDA key selling point</b>	Windows 10 or other operating systems available
<b>Memory and storage</b>	8 GB memory; 256 GB SSD storage
<b>Processor speed</b>	1.1 GHz
<b>Product brand name</b>	HP
<b>Quickspec</b>	<a href="https://hp.sharepoint.com/teams/PSGWorldWide/Shared%20Documents/HP%20ProBook%20x360%2011%20G4%20EE.pdf">https://hp.sharepoint.com/teams/PSGWorldWide/Shared%20Documents/HP%20ProBook%20x360%2011%20G4%20EE.pdf</a>
<b>Standard memory note</b>	Transfer rates up to 1866 MT/s.
<b>Storage type</b>	SSD
<b>Touchscreen</b>	Yes

[6] 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. 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[15] HD content required to view HD images.

[18] Touchscreen is an optional feature that must be configured at purchase.

[19] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[22] HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.

[23] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

[24] Ivanti Management Suite subscription required.

[25] HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.

[26] HP Drive Lock & Automatic Drive Lock is not supported on NVMe drives

[27] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.

[28] Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:

<http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

[29] HP Client Security Suite Gen 3 requires Windows and Intel® or AMD 8th generation processors.

[30] HP Password Manager requires Internet Explorer or Chrome or Firefox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.

[31] HP Device Access Manager requires HP Client Security Suite Gen4.

[32] Windows Defender Opt in and internet connection required for updates.

[33] HP Secure Erase - For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88. Supported on ProBook 400 G4 platforms under Hared Drive utilities within F10 BIOS.

[34] Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

[35] RAID configuration is optional and does require a second hard drive.

[36] HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

[38] Availability may vary by country.

[39] HP Care Packs are sold separately. 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 [www.hp.com/go/cpc](http://www.hp.com/go/cpc). HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

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## Cases and Covers

### Cases

HP Essential Messenger Case	H1D25AA
HP Prelude Top Load 15.6	2MW62A6
HP Black 11.6 Always On Case	2MY57AA
HP ProBook x360 11 G1 EE Protective Case	1JS00AA
HP Recycled Series 15.6-inch Top Load	5KN29AA
HP Exec 15.6 Midnight Top Load	1KM15AA
HP 14.1 Business Sleeve	2UW01AA
HP Ladies 14.0 Slim Top Load	2JB97AA
HP 15.6 Executive Topload	K0S30AA
HP 15.6 Prelude Top Load with Mouse Bundle	2MW64AA
HP 17.3 Leather Black Top Load	P6N25AA
HP 17.3 Business Slim Top Load	2UW02AA
HP Essential Top Load Case	H2W17AA
HP 17.3 Business Roller Case	2SC68AA
HP 15.6 Business Top Load	2SC66AA
HP Business Ladies Tote (up to 15.6-inch)	3NP79AA
HP 15.6 Executive Black Messenger	P6N21AA
HP Prelude Top Load 15.6	2MW62AA
HP 11.6-inch Education Sleeve	3NP78AA
HP Executive Black Leather 15.6 Top Load	1LG83AA
HP 14.1 Business Slim Top Load	2SC65AA
HP 15.6 Executive Brown Top Load	P6N19AA
HP 15.6 Executive Brown Backpack	P6N22AA
HP Slim Professional Top Load Case	F3W15AA
HP Executive 14.1 Midnight Slim Top Load	1WM82AA
HP Slim Professional Messenger	F3W14AA
HP Power Ready 14.1 Elite Top Load	4NR35AA

### Backpacks

HP Prelude Backpack 15.6	2MW63AA
HP Recycled Series 15.6-inch Backpack	5KN28AA
HP Essential Backpack	H1D24AA
HP Exec 15.6 Midnight Backpack	1KM16AA
HP Exec 17.3 Midnight Backpack	1KM17AA
HP Prelude Backpack 15.6 Bulk	2MW63A6
HP Slim Backpack	F3W16AA
HP 17.3 Business Backpack	2SC67AA

### Covers

HP Slim 15.6-inch Sleeve	F8A00AA
HP Slim 14-inch Sleeve	F7Z99AA
HP Slim 12.5-inch Sleeve	F7Z98AA

## Cabinets and Stands

### Notebook and Monitor Stands

HP Adjustable Display Stand	AW663AA
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### Carts

HP 32U Essential Charging Cart	1HC89AA
HP 30 Mgd Charging Cart V2	T9E85AA
HP 20 Mgd Charging Cart V2	T9E83AA

### Monitor Stands

Monitor Stand	M9X76AA
HP Adjustable Dual Display Stand	AW664AA

### Notebook Stands

HP Hot Desk Stand	W3Z73AA
HP Hot Desk 2nd Monitor Arm	W3Z74AA
HP Dual Hinge II Notebook Stand	E8F99AA

## Keyboards/Mice/Monitors and Input Devices

### Mice

HP Wireless Premium Mouse	1JR31AA
HP 3-button USB Laser Mouse	H4B81AA
HP Elite Presenter Mouse	2CE30AA
HP USB Premium Mouse	1JR32AA
USB Travel Mouse	G1K28AA
HP Ultra Mobile Wireless Mouse	H6F25AA
HP X4000b Bluetooth Mouse	H3T50AA
HP Slim Bluetooth Mouse	F3J92AA
HP Comfort Grip Wireless Mouse	H2L63AA

### Keyboards

HP Wireless Collaboration Keyboard	Z9N39AA
HP Conferencing Keyboard	K8P74AA
HP USB Collaboration Keyboard	Z9N38AA

### Pointing Devices

HP Active Pen with Spare Tips	1FH00AA
HP Active Pen Nib Set	3RV57AA

### Keyboard and Mouse Kits

HP Wireless (Link-5) Keyboard	T6U20AA
HP Slim USB Keyboard and Mouse	T6T83AA
HP Slim Wireless Keyboard and Mouse	T6L04AA
HP USB Essential Keyboard and Mouse	H6L29AA

## Audio/Multimedia and Communication Devices

### Headsets

HP Stereo 3.5mm Headset	T1A66AA
HP UC Wireless Duo Headset	W3K09AA
HP Stereo USB Headset	T1A67AA
HP UC Wireless Mono Headset	W3K08AA
HP UC Wired Headset	K7V17AA

### Phones

HP UC Speaker Phone	K7V16AA
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## Docking and Port Replicators

### Docking Accessories

HP USB-C Universal Dock Non Flash	3DV65AA
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### Port Replicators

HP 3005pr USB3 Port Replicator	Y4H06AA
HP 3001pr USB 3.0 Port Replicator	F3S42AA

### Docking Stations

HP USB-C Universal Dock	1MK33AA
HP USB-C Universal Dock with 4.5 mm and USB Dock Adapter	2UF95AA

## Security and Protection

### PC Locks

HP Essential Keyed Cable Lock	T0Y14AA
HP Combination Lock	T0Y15AA
HP Dual Head Keyed Cable Lock 10 mm	T1A64AA
HP Dual Head Master Cable Lock 10 mm	T1A65AA
HP Keyed Cable Lock 10 mm	T1A62AA
HP Master Keyed Cable Lock 10mm	T1A63AA
HP Essential Combination Lock	T0Y16AA

## Cables/Cable Kits/Cable Adapters

### Cable Adapters

HP USB-C to VGA Adapter	N9K76AA
HP USB-C to USB-A Hub	Z6A00AA
HP USB-C to DP Adapter	N9K78AA



HP USB-C to USB 3.0 Adapter

N2Z63AA

HP USB-C to RJ45 Adapter

V7W66AA

## Batteries/Chargers/Adapters

### AC Adapters

HP 65W Slim AC Adapter

H6Y82AA

HP 45W Smart AC Adapter

H6Y88AA

HP 65W Smart AC Adapter

H6Y89AA

### Power Packs

HP Notebook Power Bank

N9F71AA

## Graphics Cards

### Graphics Connectors/Adapters

HP HDMI to VGA Adapter

H4F02AA

## PC Drives and Storage

### PC DVD Drives

HP External USB DVDRW Drive

F2B56AA

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