



# HP Elite Dragonfly Notebook PC

Incredibly light

Starting under 1kg<sup>4</sup>, the HP Elite Dragonfly gives a new level of freedom to those on-the-go. It features a stunning dragonfly blue finish, an optional 1000-nit ultrabright display<sup>3</sup>, and advanced security to help keep you safe and productive wherever the day takes you.



HP recommends Windows 10 Pro for business

#### Ultralight, and ready to impress

- Starting under 1kg<sup>4</sup>, the HP Elite Dragonfly provides mobility beyond expectation in an exquisitely crafted x360 touch laptop. Striking finishes and accents, highlight the design that incorporates recycled materials including ocean-bound plastics.<sup>12</sup>

#### Work where you want

- Connect from almost anywhere with optional gigabit-class 4G LTE<sup>5</sup> on the incredibly light, compact, and flexible HP Elite Dragonfly. Collaborate in any environment with crisp, clear Audio by Bang & Olufsen and an ultrabright display.

#### Work with peace of mind

- Security features from HP work together to create an always on, always-acting, resilient defense. From the BIOS to the browser, above and below the OS, these constantly evolving solutions help protect your PC from threats.
- Instantly block prying eyes' ability to view your screen with optional HP Sure View Gen3 that reduces visual light when the screen is viewed from the side making it appear dark and unreadable.<sup>8</sup>
- Never wonder if someone is watching you with the added peace-of-mind that comes from the built-in HP Privacy Camera, with an integrated physical shutter to protect from malicious surveillance.<sup>9</sup>
- Malware is evolving rapidly, and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep-learning AI to provide exceptional protection against advanced malware.<sup>10</sup>
- Your "office" can be where you need it, letting you connect almost anywhere with optional support for gigabit-class 4G LTE wireless broadband technology with 4x4 antennas.<sup>5</sup>
- The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6.<sup>6,7</sup>
- When you're away from the office, the sleek ultralight HP Elite Dragonfly is ready every step of the way. With long battery life, you can plan your next move and close the deal.
- Capture ideas and annotate documents with the high-pressure sensitivity and low-activation force of the optional HP Rechargeable Active Pen G3. It sends a proximity alert if it's left behind.<sup>11</sup>
- Make health measurable and actionable at work with HP WorkWell. Designed to coach you to take breaks, exercise, and to provide productivity tips. This app recommends healthy habits personalized to you.<sup>13</sup>
- Technologies in the optional UHD HDR 400 panel help improve your 4K viewing experience by increasing the contrast between light and dark images. The result is an image that most resembles the view in a natural state.<sup>11</sup>

## HP Elite Dragonfly Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 <sup>1</sup> Windows 10 Home 64 (National Academic only) <sup>2</sup> Windows 10 Home 64 – HP recommends Windows 10 Pro for business <sup>1</sup> Windows 10 Home Single Language 64 <sup>1</sup> Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> FreeDOS
Processor family <sup>36</sup>	8th Generation Intel® Core™ i7 processor (i7-8565U); 8th Generation Intel® Core™ i7 processor (i7-8665U); 8th Generation Intel® Core™ i5 processor (i5-8265U); 8th Generation Intel® Core™ i5 processor (i5-8365U); 8th Generation Intel® Core™ i3 processor (i3-8145U)
Available Processors <sup>3,4,5,6,36,37</sup>	Intel® Core™ i7-8565U with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i5-8265U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores); Intel® Core™ i3-8145U with Intel® UHD Graphics 620 (2.1 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 4 MB L3 cache, 2 cores); Intel® Core™ i7-8665U vPro™ processor with Intel® UHD Graphics 620 (1.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i5-8365U vPro™ processor with Intel® UHD Graphics 620 Graphics (1.6 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)
Display size (diagonal)	13.3" <sup>14,16,17,18</sup>
Maximum memory	16 GB LPDDR3-2133 SDRAM Memory soldered down. Supports dual channel memory.
Internal storage	up to 512 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 32 GB Intel® Optane™ memory H10 <sup>7,8,38</sup> 256 GB up to 2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC <sup>7</sup> up to 512 GB M.2 SATA FIPS 140-2 SSD TLC <sup>7</sup> up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC <sup>7</sup> 256 GB up to 512 GB PCIe® M.2 Value SSD <sup>7</sup> up to 256 GB M.2 SATA SED SSD TLC <sup>7</sup> up to 128 GB M.2 SATA-3 SSD TLC <sup>7,9</sup>
Display	13.3" diagonal FHD IPS eDP + PSR BrightView WLED-backlit ultraslim direct bonded touch screen with Corning® Gorilla® Glass 5, 400 nits, 72% NTSC (1920 x 1080); 13.3" diagonal FHD IPS eDP + PSR BrightView WLED-backlit ultraslim direct bonded touch screen with Corning® Gorilla® Glass 5 and HP Sure View Integrated Privacy Screen, 1000 nits, 72% NTSC (1920 x 1080); 13.3" diagonal 4K IPS eDP + PSR BrightView WLED-backlit ultraslim direct bonded touch screen with Corning® Gorilla® Glass 5, 550 nits, 95% sRGB (3840 x 2160) <sup>14,16,17,18</sup>
Available Graphics	Integrated: Intel® UHD Graphics 620 <sup>16</sup> (Support HD Decode, DX12, and HDMI 1.4b.)
Audio	Bang & Olufsen, 4 Premium stereo speakers, multi array world-facing microphone
Wireless technologies	Intel® XMM™ 7360 LTE-Advanced Cat 9; Intel® XMM™ 7560 LTE-Advanced Pro Cat 16; Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, non-vPro™; Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, vPro™ <sup>10,11,12,13,37</sup> (Compatible with Miracast-certified devices.)
Ports and Connectors	2 Thunderbolt™ (USB Type-C™ connector, Power delivery 3.0 support); 1 USB 3.1 Gen 1 (charging); 1 headphone/microphone combo; 1 HDMI 1.4; 1 External Nano SIM slot for WWAN <sup>15</sup> (HDMI cable sold separately.)
Input devices	HP Premium Collaboration Keyboard, spill-resistant, backlit and DuraKeys; Glass ClickPad, Microsoft Precision Touchpad, gestures support as default; HP Active Pen Gen 3 (Optional) Accelerometer; Magnetometer; Gyroscope; Ambient light sensor; Hall sensor
Communications	Ethernet via HP accessories <sup>14</sup>
Camera	720p HD webcam; HD Privacy IR webcam
Available Software	HP Connection Optimizer; HP Image Assistant; HP Hotkey Support; HP JumpStart; HP Noise Cancellation Software; HP Support Assistant; Buy Office (Sold separately) <sup>19</sup>
Security management	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; Power-on authentication; Preboot authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; HP Sure Start Gen5; HP Sure Run Gen2; HP Sure Recover Gen2; HP BIOSphere Gen5; HP Sure Sense; 32GB eMMC Onboard Sure Recover module (optional) <sup>22,23,24,25,26,27,28,29,30</sup>
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen3 <sup>20,21</sup>
Power	HP Smart 65 W USB Type-C™ adapter <sup>31,32</sup>
Battery type	HP Long Life 4-cell, 56.2 Wh Li-ion polymer; HP Long Life 2-cell, 38 Wh Li-ion polymer
Dimensions	30.43 x 19.75 x 1.61 cm
Weight	Starting at 0.99 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2019 Gold in U.S. <sup>34</sup>
Environmental specifications	Low halogen; TCO 8.0 Certified <sup>35</sup>
Warranty	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> .

## HP Elite Dragonfly Notebook PC

### Accessories and services (not included)

#### HP USB-C Mini Dock



Be productive on the go with streamlined, pocket-sized port expansion that's fashionable and functional. The HP USB-C™ Mini Dock has a modern, textured design and packs pass-through charging<sup>1</sup> and data, video, network, and device connectivity<sup>2</sup> into a compact, portable dock. Offering flexibility and wireless connectivity in the office and on the road. HP's extensive range of notebook PCs enable increased productivity and efficiency, by providing the perfect combination of built-in mobility features to match the particular needs of individuals from businesses large and small.

**Product number: 1PM64AA**

#### HP Elite Presenter Mouse



Run presentations and guide onscreen content with a virtual laser<sup>1</sup> from the palm of your hand, anywhere in the room, or navigate your PC's applications at your desk, with the sophisticated HP Elite Presenter Mouse. It's an ultra-modern, multi-functional accessory that's a pointer and mouse in one. Offering flexibility and wireless connectivity in the office and on the road. HP's extensive range of notebook PCs enable increased productivity and efficiency, by providing the perfect combination of built-in mobility features to match the particular needs of individuals from businesses large and small.

**Product number: 2CE30AA**

#### HP USB-C Essential Power Bank



Charge and power your Windows or macOS® notebook and USB devices from a single USB-C™ connection, even when you can't plug in, with the HP USB-C Essential Power Bank. Enjoy the functionality of an AC adapter and battery with the expansion of a USB hub in one essential device. Offering flexibility and wireless connectivity in the office and on the road. HP's extensive range of notebook PCs enable increased productivity and efficiency, by providing the perfect combination of built-in mobility features to match the particular needs of individuals from businesses large and small.

**Product number: 3TB55AA**

#### HP Convertible 14.1-inch Tote



Offering flexibility and wireless connectivity in the office and on the road. HP's extensive range of notebook PCs enable increased productivity and efficiency, by providing the perfect combination of built-in mobility features to match the particular needs of individuals from businesses large and small.

**Product number: 5KN27AA**

#### HP Rechargeable Active Pen G3



Take your inspiration straight to your screen with the HP Rechargeable Active Pen G3<sup>1</sup>, the digital pen designed for natural onscreen note-taking, drawing, and app navigation. And it's easier than ever to keep track of, with a built-in magnetic attach capability.<sup>2</sup> Offering flexibility and wireless connectivity in the office and on the road. HP's extensive range of notebook PCs enable increased productivity and efficiency, by providing the perfect combination of built-in mobility features to match the particular needs of individuals from businesses large and small.

**Product number: 6SG43AA**

#### HP 3-year Travel Next Business Day Onsite Notebook Only Service



HP Care Pack

Provides Next Business Day Onsite service for Notebook user in major geographies of the world for 3 years. For more information on Care Pack services, please visit

[www.hp.com/go/cpc](http://www.hp.com/go/cpc)

**Product number: UC909E**

## HP Elite Dragonfly Notebook PC

### Messaging Footnotes

- <sup>3</sup> 1000 nit display is an optional feature that must be configured at the factory. Touch-enabled display and Sure View privacy panel will lower actual brightness.
- <sup>4</sup> Starting weight less than 1kg is only available in certain configurations.
- <sup>5</sup> Gigabit class 4G LTE module is optional and must be configured at the factory. Module designed for up to 1 Gbps download speeds as carriers deploy 5 carrier aggregation and 100Mhz channel bandwidth, requires activation and separately purchased service contract. Backwards compatible to HSPA 3G technologies. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
- <sup>6</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the laptop to communicate with other 802.11ax devices. Only available in countries where 802.11ax is supported.
- <sup>7</sup> Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
- <sup>8</sup> HP Sure View Gen3 integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- <sup>9</sup> HP Privacy Camera only available PCs equipped with HD or IR camera and must be installed at the factory.
- <sup>10</sup> HP Sure Sense requires Windows 10. See product specifications for availability.
- <sup>11</sup> Sold separately or as an optional feature.
- <sup>12</sup> Notebook speaker enclosure component made with 5% ocean bound plastic as of August 2019.
- <sup>13</sup> HP WorkWell requires Windows 10, is not available in all countries, and can be downloaded from the Windows Store.

### Technical Specifications Footnotes

- <sup>1</sup> 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/>.
- <sup>2</sup> Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- <sup>3</sup> 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.
- <sup>4</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>5</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.
- <sup>6</sup> Some functionality of vPro, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.
- <sup>7</sup> For storage 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.
- <sup>8</sup> Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.
- <sup>9</sup> Not available with eMMC Base Units.
- <sup>10</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.
- <sup>11</sup> WWAN module is an optional feature, requires factory configuration and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
- <sup>12</sup> Gigabit class Category 16 4G LTE module is optional and must be configured at the factory. Module designed for up to 1 Gbps download speeds as carriers deploy 5 carrier aggregation and 100Mhz channel bandwidth, requires activation and separately purchased service contract. Backwards compatible to HSPA 3G technologies. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
- <sup>13</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>14</sup> Sold separately or as an optional feature.
- <sup>15</sup> SIM slot is not user accessible without WWAN configuration.
- <sup>16</sup> HD content required to view HD images.
- <sup>17</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>18</sup> HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- <sup>19</sup> HP Support Assistant requires Windows and Internet access.
- <sup>20</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>21</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>22</sup> 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.
- <sup>23</sup> HP Drive Lock & Automatic Drive Lock is not supported on NVMe drives.
- <sup>24</sup> For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method, HP Secure Erase does not support platforms with Intel® Optane™.
- <sup>25</sup> 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.
- <sup>26</sup> HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
- <sup>27</sup> HP Sure Run Gen2: See product specifications for availability.
- <sup>28</sup> HP Sure Recover Gen2: See product specifications for availability. Requires an open, wired network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover (Gen1) does not support platforms with Intel® Optane™.
- <sup>29</sup> HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- <sup>30</sup> HP Sure Sense requires Windows 10. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
- <sup>31</sup> Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
- <sup>32</sup> Availability may vary by country.
- <sup>33</sup> 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.
- <sup>34</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>35</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>36</sup> In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- <sup>37</sup> For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled chipset, vPro enabled WLAN card and discrete TPM 2.0 are required. See <https://www.intel.com/content/www/us/en/architecture-and-technology/vpro/vpro-platform-general.html>
- <sup>38</sup> Intel® Optane™ memory H10 only for Intel® PCIe® NVMe™ QLC M.2 SSD.

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