



HP ProBook 450 15.6 G9 Intel® Core™ i7 i7-1255U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP

Product family: ProBook

Product code: 5Y4A1EA

Product name : 450 15.6 G9



- Intel® Core™ i7-1255U (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)
 - Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)
 - 39.6 cm (15.6") diagonal FHD display
 - Intel® Iris® X^e Graphics
 - 16 GB memory; 512 GB SSD storage
- ProBook 450 15.6 inch G9 Notebook PC, 15.6", Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade), Intel® Core™ i7, 16GB RAM, 512GB SSD, FHD

HP ProBook 450 15.6 G9 Intel® Core™ i7 i7-1255U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver:



Essential features in a modern design

The HP ProBook 450 Laptop provides growing businesses with the commercial-grade performance, HP Wolf Security for Business^[5], and durability in a compact design. This PC is powered by an Intel® processor^[2] and protected with always-on security you can trust.

| Design | | Ports & interfaces | |
|---------------------------|--------------------------|---|---|
| Product type * | Laptop | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| Product colour * | Silver | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| Form factor * | Clamshell | Ethernet LAN (RJ-45) ports | 1 |
| Market positioning | Everyday | HDMI ports quantity * | 1 |
| Original brand name | HP | HDMI version | 2.1b |
| Display | | Combo headphone/mic port | ✓ |
| Display diagonal * | 39.6 cm (15.6") | Charging port type | USB Type-C |
| Display resolution * | 1920 x 1080 pixels | USB Type-C DisplayPort Alternate Mode | ✓ |
| Touchscreen * | ✗ | USB Power Delivery | ✓ |
| HD type | Full HD | Keyboard | |
| Panel type | IPS | Keyboard special features | Spill-resistant |
| Native aspect ratio | 16:9 | Pointing device | Clickpad |
| Anti-glare screen | ✓ | Numeric keypad * | ✓ |
| Display bezel technology | Micro-Edge | Keyboard backlit | ✓ |
| Display brightness | 250 cd/m ² | Spill-resistant keyboard | ✓ |
| Display diagonal (metric) | 39.6 cm | Input device model | HP Premium Keyboard |
| RGB colour space | NTSC | Software | |
| Colour gamut | 45% | Windows 11 free upgrade | ✓ |
| Processor | | Pre-installed software | HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP Support Assistant; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP Quick Touch; HP PC Hardware Diagnostics Windows |
| Processor manufacturer * | Intel | Operating system installed * | Windows 11 Pro |
| Processor family * | Intel® Core™ i7 | Processor special features | |
| Processor generation | 12th gen Intel® Core™ i7 | Intel Flex Memory Access | ✓ |
| Processor model * | i7-1255U | Intel Trusted Execution Technology | ✓ |
| Processor cores | 10 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Processor cores | 10 | Execute Disable Bit | ✓ |
| Processor threads | 12 | | |
| Processor boost frequency | 4.7 GHz | | |
| Processor frequency * | 3.5 GHz | | |
| Processor cache | 12 MB | | |
| Processor cache type | L3 | | |
| Configurable TDP-down | 12 W | | |
| Memory | | | |
| Internal memory * | 16 GB | | |
| Internal memory type | DDR4-SDRAM | | |

| | | | |
|--|------------------------|---|---|
| Memory | | Processor special features | |
| Memory clock speed | 3200 MHz | CPU configuration (max) | 1 |
| Memory form factor | SO-DIMM | Embedded options available | ✗ |
| Memory layout (slots x size) | 1 x 16 GB | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Memory slots | 2x SO-DIMM | Intel Virtualization Technology (VT-x) | ✓ |
| Maximum internal memory * | 32 GB | Brand-specific features | |
| Number of free internal memory expansion slots | 1 | HP Connection Optimizer | ✓ |
| ECC | ✗ | HP Support Assistant | ✓ |
| Non-ECC | ✓ | HP Smart AC Adapter | ✓ |
| Storage | | Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; HP Sure Click; HP Sure Sense; BIOS Update via Network; HP Sure Admin; HP BIOSphere Gen6; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP Sure Start Gen7; HP Wake on WLAN; HP Tamper Lock | |
| Total storage capacity * | 512 GB | HP Security tools | |
| Storage media * | SSD | HP Management tools | |
| Total SSDs capacity | 512 GB | HP segment | |
| Number of SSDs installed | 1 | HP GTIN (EAN/UPC) | |
| SSD capacity | 512 GB | Business | |
| SSD interface | PCI Express | 196548698424 | |
| SSD interface | PCI Express | Battery | |
| NVMe | ✓ | Battery technology | |
| SSD form factor | M.2 | Lithium-Ion (Li-Ion) | |
| Optical drive type * | ✗ | Number of battery cells | |
| Graphics | | 3 | |
| Discrete graphics card model * | Not available | Battery capacity * | |
| On-board graphics card * | ✓ | 51 Wh | |
| On-board GPU manufacturer | Intel | Power | |
| Discrete graphics card * | ✗ | AC adapter power | |
| On-board graphics card family | Intel Iris Xe Graphics | 45 W | |
| On-board graphics card model * | Intel Iris Xe Graphics | AC adapter frequency | |
| Audio | | 50 - 60 Hz | |
| Built-in speaker(s) | ✓ | AC adapter input voltage | |
| Number of built-in speakers | 2 | 100 - 240 V | |
| Built-in microphone | ✓ | Security | |
| Number of microphones | 2 | Cable lock slot | |
| Camera | | Trusted Platform Module (TPM) | |
| Front camera | ✓ | Trusted Platform Module (TPM) version | |
| Front camera signal format | 720p | 2.0 | |
| Front camera HD type | HD | Password protection | |
| Infrared (IR) camera | ✓ | Password protection type | |
| Network | | BIOS, Power on, User | |
| Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) | Sustainability | |
| Wi-Fi standards | Wi-Fi 6E (802.11ax) | Sustainability compliance | |
| Mobile network connection * | ✗ | Sustainability certificates | |
| Antenna type | 2x2 | ENERGY STAR | |
| WLAN controller model | Intel Wi-Fi 6E AX211 | Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 10% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure(s) | |
| WLAN controller manufacturer | Intel | Sustainable technologies and materials | |
| Ethernet LAN | ✓ | Weight & dimensions | |
| Ethernet LAN data rates | 10,100,1000 Mbit/s | Width | |
| Bluetooth | ✓ | 359.4 mm | |
| Bluetooth version | 5.3 | Depth | |
| Packaging data | | 233.9 mm | |
| Package width | | 19.9 mm | |
| Package width | | 1.74 kg | |
| Package width | | 69 mm | |

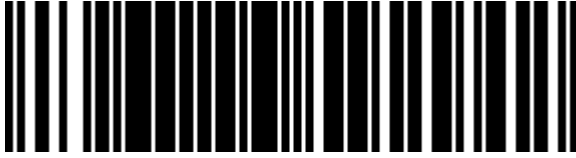
| Packaging data | |
|-----------------------------|------------|
| Package depth | 520 mm |
| Package height | 305 mm |
| Packaging content | |
| Keyboard included | ✓ |
| Stylus pen | ✗ |
| Logistics data | |
| Harmonized System (HS) code | 8471300000 |
| Other features | |
| Number of speakers | 2 |



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