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|--|--|---|---------------------------|
| Processor | | Ports & interfaces | |
| Low Power Efficient-cores | 2 | Intel® Thunderbolt 4 | ✓ |
| Performance-core Max Turbo Frequency | 5.4 GHz | Microphone in | ✓ |
| Efficient-core Max Turbo Frequency | 4.5 GHz | Combo headphone/mic port | ✓ |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | USB Type-C DisplayPort Alternate Mode | ✓ |
| Performance-core base frequency | 2.9 GHz | Performance | |
| Efficient-core base frequency | 2.7 GHz | Motherboard chipset | Intel SoC |
| Low Power Efficient-core Base Frequency | 1000 MHz | Keyboard | |
| Processor cache | 24 MB | Pointing device | Clickpad |
| Processor cache type | L3 | Numeric keypad * | ✓ |
| Processor base power | 45 W | Keyboard backlit | ✓ |
| Maximum turbo power | 115 W | Spill-resistant keyboard | ✓ |
| Neural processor unit (NPU) | | Full-size keyboard | ✓ |
| Neural processor unit (NPU) | Intel AI Boost | Input device model | HP Premium Quiet Keyboard |
| Sparsity support | ✓ | Software | |
| Windows Studio effects support | ✓ | Operating system installed * | Windows 11 Pro |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Processor special features | |
| Total processor performance up to | 99 TOPs | Intel® Turbo Boost Technology | ✓ |
| NPU performance up to | 13 TOPs | Brand-specific features | |
| GPU performance up to | 77 TOPs | HP Artificial Intelligence | AI Workstation, AI PC |
| Memory | | HP segment | Business |
| Internal memory * | 8 GB | HP GTIN (EAN/UPC) | 199485883144 |
| Internal memory type | DDR5-SDRAM | Battery | |
| Memory clock speed | 5600 MHz | Battery technology | Lithium Polymer (LiPo) |
| Memory form factor | On-board | Number of battery cells | 8 |
| Memory layout (slots x size) | Not available | Battery capacity * | 77 Wh |
| Memory slots | 2x SO-DIMM | Fast charging | ✓ |
| Memory channels | Dual-channel | Fast charging time (50%) | 30 min |
| Non-ECC | ✓ | Power | |
| Storage | | AC adapter power | 140 W |
| Total storage capacity * | 1 TB | AC adapter frequency | 50 - 60 Hz |
| Storage media * | SSD | AC adapter input voltage | 100 - 240 V |
| Total SSDs capacity | 1 TB | USB Type-C charging port * | ✓ |
| Number of SSDs installed | 1 | USB Power Delivery (USB PD) | ✓ |
| SSD capacity | 1 TB | Security | |
| SSD interface | PCI Express | Cable lock slot | ✓ |
| NVMe | ✓ | Password protection | ✓ |
| Optical drive type * | ✗ | Password protection type | BIOS, Power on |
| Graphics | | Sustainability | |
| Discrete GPU manufacturer | NVIDIA | Sustainability compliance | ✓ |
| Discrete graphics card model * | NVIDIA RTX 500 Ada | Sustainability certificates | ENERGY STAR, TCO |
| Discrete graphics card memory | 4 GB | Low halogen; 40% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable | |
| Discrete graphics memory type | GDDR6 | | |
| On-board graphics card * | ✓ | | |
| On-board GPU manufacturer | Intel | Sustainable technologies and materials | |
| Discrete graphics card * | ✓ | Sustainable technologies and materials | |
| On-board graphics card family | Intel Arc Graphics | Weight & dimensions | |
| On-board graphics card model * | Intel Arc 140T | Width | 359 mm |
| Audio | | Depth | 250 mm |
| Built-in speaker(s) | ✓ | Height | 19.2 mm |
| | | Weight * | 1.72 kg |

Packaging data

| | |
|----------------|--------|
| Package width | 504 mm |
| Package depth | 305 mm |
| Package height | 63 mm |

Packaging content

| | |
|-------------------|---|
| Keyboard included | ✓ |
|-------------------|---|

Logistics data

| | |
|-----------------------------|------------|
| Harmonized System (HS) code | 8471300000 |
|-----------------------------|------------|

Other features

| | |
|-----------------------|---|
| UNSPSC-code | 43211503 |
| Manufacturer warranty | 1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply. |



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