

CG0G5ET

HP ZBook 8 G1i 14 Core Ultra 2 Workstation Notebook Ultra 7 255H 5.1GHz 32GB 1TB 14" WUXGA
RTX 500 Ada 4GB BT Win 11 Pro

Product Overview

HP ZBook 8 G1i 14 Series Core Ultra Series 2 CG0G5ET Grey Workstation Notebook, Intel Core Ultra 7 255H Series 2 Sixteen (16) Core Arrow Lake Turbo Boost up to 5.1Ghz 24MB L3 Cache Processor (6 Perfomance Cores & 8 Efficient Cores & 2 Low Power Efficient Cores), 32GB DDR5-5600 SO-Dimm Memory (1x32GB), Supports 64GB Max Mem, 2 Memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot, NO optical drive (No CD), 14" WUXGA (1920 x 1200 resolution) Non Gloss Type IPS, 300nits LED Backlit Display, nVidia RTX 500 Ada with 4GB dedicated graphics, Intel AI Boost 13 TOPS, Wi-Fi 7, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 8 cell battery, Fingerprint Reader, Backlit Keyboard, 2x Thunderbolt 4 with USB Type-C 40Gbps (USB Power Delivery / DisplayPort 2.1), 1x USB Type-A 5Gbps (powered), 1x USB Type-C 20Gbps (USB Power Delivery / DisplayPort 1.4), HDMI output, 1.5 kg, Microsoft Windows 11 Professional 64 bit, 3 Year On-site warranty, HP Prelude Pro 15.6 Backpack + HP 235 Slim Wireless Mouse





Specifications

Summary Overview:

The HP ZBook 8 G1i 14 mobile workstation is built for professionals who need serious performance in a portable design. Powered by an Intel Core Ultra 7 processor with advanced AI acceleration, 32GB DDR5 memory, and a fast 1TB PCIe SSD, this workstation handles demanding workloads such as engineering software, creative applications, and large datasets with ease. The 14-inch WUXGA IPS display provides clear visuals, while NVIDIA RTX 500 Ada graphics deliver reliable performance for professional graphics tasks. With Wi-Fi 7, Thunderbolt 4 connectivity, and Windows 11 Pro, this laptop is ready for modern business productivity. Buy now and upgrade your workflow with a powerful mobile workstation.

Designed for professionals on the move, this ZBook balances power and portability with a lightweight build and durable construction. Online reviews of the ZBook workstation series consistently highlight its reliability, strong performance for creative and technical software, and premium keyboard and build quality. Popular among engineers, architects, developers, data analysts, and creative professionals, the series is often praised for delivering desktop-class performance in a compact business laptop.

Laptop performance tier:High-end professional workstation

Uses:CAD and 3D design, engineering software, AI workloads, video editing, programming, data analysis, professional productivity, business multitasking

Overview:

The HP ZBook 8 G1i 14 mobile workstation is designed for professionals who need strong computing power in a compact and portable laptop. Built for demanding workloads, this workstation combines advanced processing performance, professional graphics, fast storage, and AI acceleration in a lightweight 14 inch design.

With the Intel Core Ultra 7 processor and dedicated NVIDIA RTX graphics, the ZBook 8 G1i is well suited for creative professionals, engineers, designers, and business users working with complex applications. Its powerful hardware allows large files to open quickly, applications to run smoothly, and multitasking to remain responsive.

Despite its workstation capabilities, the laptop remains easy to carry at around 1.5 kg. The slim design makes it ideal for professionals who work both in the office and on the move. Combined with fast connectivity, a high resolution display, and Windows 11 Pro, the ZBook 8 provides a reliable platform for productivity and performance.

Features:

Powerful Intel Core Ultra Processing

At the heart of the HP ZBook 8 G1i is the Intel Core Ultra 7 255H processor. This advanced CPU features a hybrid core design with performance cores, efficient cores, and low power efficient cores that work together to balance speed and efficiency.

With turbo speeds up to 5.1GHz and a large 24MB cache, the processor delivers excellent responsiveness for demanding

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Product Specification Sheet

professional applications, heavy multitasking, and AI enhanced workloads.

Professional NVIDIA RTX Graphics

For users who rely on GPU acceleration, the NVIDIA RTX 500 Ada graphics with 4GB dedicated memory provides professional level performance. This makes the notebook suitable for 3D design, rendering, content creation, engineering software, and AI workflows.

The combination of RTX graphics and Intel AI Boost technology allows faster processing of AI tasks and improved performance in modern applications.

Fast DDR5 Memory and High Speed Storage

The system includes 32GB DDR5 memory running at 5600MHz, allowing multiple applications and large projects to run simultaneously without slowdown. Two memory slots are available and the system supports up to 64GB for users who require additional capacity.

Storage is handled by a fast 1TB PCIe NVMe SSD which provides quick boot times, fast file transfers, and responsive application loading.

14 Inch WUXGA IPS Display

The 14 inch WUXGA display delivers a resolution of 1920 x 1200 with a non gloss IPS panel. The screen provides clear visuals, accurate colors, and wide viewing angles, making it comfortable for long work sessions.

With 300 nits brightness and an anti glare surface, the display remains easy to view in bright office environments.

Portable Workstation Design

The HP ZBook 8 G1i is designed to deliver workstation level performance in a portable format.

At around 1.45 kg, the notebook is light enough for travel while still offering powerful hardware and professional connectivity. The slim clamshell design fits easily into laptop bags and backpacks, making it a practical option for mobile professionals.

Modern Connectivity and Expansion

The notebook includes a wide range of ports for modern work environments and high speed peripherals.

- 2 x Thunderbolt 4 USB Type C ports
- 1 x USB Type C 20Gbps port
- 1 x USB Type A 5Gbps powered port
- 1 x HDMI 2.1 output
- 1 x RJ45 Gigabit Ethernet port
- Headphone and microphone combo jack
- Security lock slot

Wireless connectivity includes WiFi 7 and Bluetooth for fast and stable connections.

Security and Business Ready Tools

The HP ZBook 8 G1i includes security and productivity tools designed for professional environments.

- Fingerprint reader for secure login
- 5MP IR webcam for video conferencing
- Windows 11 Professional operating system
- Intel AI Boost for AI enhanced workloads

These features help support modern hybrid work, collaboration, and secure access.

Included Accessories

The notebook package includes useful accessories for everyday productivity.

- HP Prelude Pro 15.6 Backpack
- HP 235 Slim Wireless Mouse

These additions help complete the mobile workstation setup straight out of the box.

Key Hardware Details

- Intel Core Ultra 7 255H 16 core processor

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- NVIDIA RTX 500 Ada 4GB graphics
- 32GB DDR5 5600MHz memory
- 1TB PCIe NVMe SSD storage
- 14 inch WUXGA 1920 x 1200 IPS display
- WiFi 7 and Gigabit Ethernet
- Windows 11 Professional
- Weight starting from 1.45 kg

The HP ZBook 8 G1i 14 mobile workstation delivers strong processing power, professional graphics, and AI ready performance in a portable business laptop designed for modern professional workloads.

Specifications:

Product	HP ZBook 8 G1i 14 Mobile Workstation AI PC
Product type	Mobile workstation
Form factor	Clamshell
Processor family	Series 2 Intel Core Ultra 7
Processor model	255H
Processor frequency	1.50 / 5.10 GHz (24MB Cache, 16 Cores)
NPU	Intel AI Boost, up to 13 TOPS
Display diagonal	35.6 cm (14")
HD type	WUXGA
Display resolution	1920 x 1200 pixels
Display	Non-Touch, Anti-Glare, 300nits, Low Power, sRGB 62.5%
Internal memory	32 GB 5600 MHz (1 x 32 GB)
Internal memory type	DDR5-SDRAM
Total storage capacity	1TB M.2 PCIe 4x4 2280 NVMe
Storage media	SSD
On-board graphics card model	Intel Arc 140T Graphics
Discrete graphics card model	NVIDIA RTX 500 Ada 4GB
Keyboard	Backlit, Spill-resistant, Premium
Camera	5MP IR
Fingerprint reader	Included
Smartcard reader	Not Supported
Operating system installed	Windows 11 Pro
Mobile broadband	Not Supported
Power supply	140W Slim USB-C AC Adapter
Product colour	Meteor Silver
Weight	Starting at 1.45 kg

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Product Specification Sheet

Ports and Slots	1x HDMI 2.1
	1x Headphone/microphone combo
	2x Thunderbolt 4 with USB Type-C 40Gbps signaling rate (USB Power Delivery, DisplayPort 2.1)
	1x Security lock slot
	1x RJ-45 Ethernet port
	1x USB Type-A 5Gbps signaling rate (powered)
	1x USB Type-C 20Gbps signaling rate (USB Power Delivery, DisplayPort 1.4)
	Smartcard reader (Not included, Select models)
	Simcard slot (Not included, Select models)
Included	HP Prelude Pro 15.6 Backpack + HP 235 Slim Wireless Mouse

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://comx-computers.co.za/Buy-Notebooks-Laptops-CG0G5ET-HP-ZBook-8-G1i-14-Core-Ip-335248.php>

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