ComX Computers
Product Specification Sheet

CF8H9ET

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 CF8H9ET 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











Specifications

Summary Overview:

Experience unmatched productivity with the HP ZBook 8 G1i 14 Mobile Workstation, engineered for professionals who demand high performance on the go. Powered by an Intel Core Ultra 7 255H processor with 16 cores and NVIDIA RTX 500 Ada graphics, this 14" laptop ensures smooth multitasking, rapid AI processing, and high-speed access to your 1TB PCIe SSD. Compact and lightweight at just 1.45 kg, it's ideal for working anywhere-buy now and elevate your workflow.

Customers praise the ZBook series for its reliability, speed, and robust build. Creative professionals, engineers, and data analysts highlight its excellent graphics performance and seamless handling of large files, making it a top choice for both AI-intensive tasks and general productivity.

Laptop performance tier: High-end workstation

Uses:AI development, 3D rendering, video editing, software development, engineering, data analysis, business productivity

Overview:

The HP ZBook 8 G1i 14 inch workstation notebook is built for professionals who need serious performance in a compact and portable design. Powered by the latest Intel Core Ultra processor and professional NVIDIA graphics, this laptop is designed to handle demanding workloads such as design, engineering, AI development, and advanced multitasking.

Despite its powerful hardware, the ZBook 8 remains lightweight and easy to carry at only 1.5 kg. The slim design makes it ideal for professionals who work both in the office and on the move. With a sharp WUXGA display, fast SSD storage, and enterprise level security features, this workstation notebook is ready for intensive productivity wherever you go.

The system combines high speed memory, professional graphics, and modern connectivity such as WiFi 7 and Thunderbolt 4 ports. This ensures smooth performance when working with large files, running multiple applications, or collaborating across teams.

Features:

High Performance Workstation Power

The HP ZBook 8 G1i is driven by an Intel Core Ultra 7 255H processor with a sixteen core design and turbo boost speeds up to 5.1GHz. This architecture includes performance cores, efficient cores, and low power cores that work together to deliver strong performance while maintaining power efficiency.

With 32GB DDR5 memory installed and support for up to 64GB, the notebook handles demanding applications and heavy multitasking with ease. Whether you are editing large media files, working with complex datasets, or running professional software, this system keeps everything running smoothly.

Professional NVIDIA Graphics

Equipped with NVIDIA RTX 500 Ada graphics with 4GB of dedicated memory, this workstation notebook is ready for professional creative and engineering tasks. The GPU accelerates rendering, design applications, and AI workflows, making it ideal for professionals who rely on GPU performance.

AI workloads are also supported through Intel AI Boost technology, delivering additional acceleration for modern AI based software and workflows.

Fast Storage and Responsive Workflow

A 1TB PCIe SSD provides fast storage performance for quick system boot times, rapid file transfers, and responsive application loading. The high speed storage makes it easy to work with large project files without delays.

14 Inch WUXGA IPS Display

The 14 inch WUXGA display delivers a 1920 x 1200 resolution with clear detail and accurate colors. The IPS panel provides consistent viewing angles while the 300 nits brightness makes it suitable for professional work environments.

The non gloss screen also helps reduce reflections, making it easier to focus during long working sessions.

Portable Design for Professionals

Designed for mobility, the ZBook 8 combines workstation performance with a compact footprint. The lightweight chassis fits easily into a laptop bag, making it convenient for travel, remote work, or moving between meetings.

An 8 cell battery helps keep the system running throughout the workday, supporting productivity wherever your work takes you.

Modern Connectivity and Expansion

This notebook includes a wide range of ports and connectivity options for modern work environments.

- 2 Thunderbolt 4 USB Type C ports with 40Gbps support
- 1 USB Type C port with 20Gbps support
- 1 powered USB Type A port
- HDMI output for external displays
- Gigabit Ethernet LAN
- WiFi 7 wireless connectivity
- Bluetooth support

These connections make it easy to link external displays, storage devices, and professional accessories.

Built for Business Productivity

The system runs on Windows 11 Professional, providing advanced security, productivity tools, and improved collaboration features designed for business environments.

Additional integrated tools such as a webcam, fingerprint reader, and backlit keyboard help support secure access and comfortable everyday use.

HP ZBook 8 G1i Key Details

- Intel Core Ultra 7 255H sixteen core processor up to 5.1GHz
- 32GB DDR5 5600 memory
- 1TB PCIe M.2 SSD storage
- NVIDIA RTX 500 Ada 4GB professional graphics
- 14 inch WUXGA 1920 x 1200 IPS display
- WiFi 7 and Gigabit Ethernet
- Thunderbolt 4 and USB Type C connectivity
- Fingerprint reader and webcam
- Backlit keyboard
- Windows 11 Professional
- Weight 1.5 kg

The HP ZBook 8 G1i workstation notebook offers a powerful combination of professional performance, mobility, and modern connectivity. It is an excellent choice for professionals who require a reliable and portable workstation for demanding

applications and advanced workflows.

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

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)

Product Information Online

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

Product page:
https://www.comx-computers.co.za/Buy-Notebooks-Laptops-CF8H9ET-HP-ZBook-8-G1i-14-Core-Ultra-2-Workstation-Notebook-lp-342057.php

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