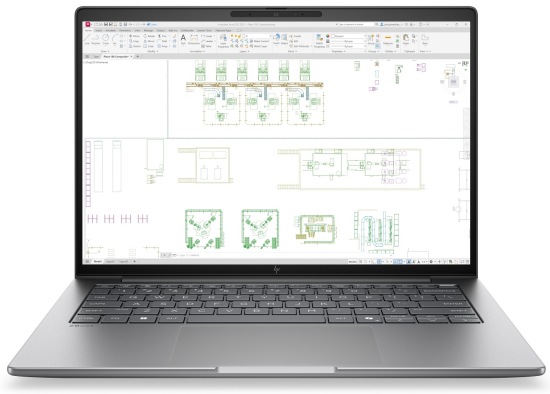
ComX Computers
Product Specification Sheet

DS3X4AT

HP ZBook 8 G2i 14 Core Ultra 3 Workstation Notebook Ultra 7 356H 4.7GHz 48GB 1TB 14" WUXGA RTX Pro 500 6GB BT Win 11 Pro

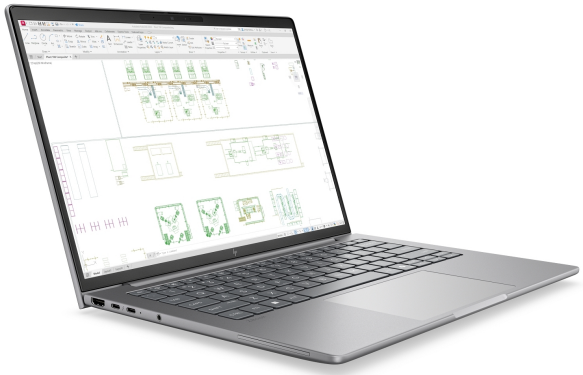
Product Overview

HP ZBook 8 G2i 14 Series Core Ultra Series 3 DS3X4AT Silver Workstation Notebook, Intel Core Ultra 7 356H Series 3 Sixteen (16) Core Panther Lake Turbo Boost up to 4.7Ghz 12MB L3 Cache Processor (4 Perfomance Cores & 8 Efficient-cores & 4 Low Power Efficient Cores), 48GB DDR5-5600 SO-Dimm Memory (2x24GB), 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, 400nits LED Backlit Display, nVidia RTX Pro 500 6GB dedicated graphics, Intel NPU Peak 50 TOPS, Wi-Fi 7, 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:

Upgrade your professional workflow with the HP ZBook 8 G2i, a powerful mobile workstation tailored for demanding business tasks in South Africa. Featuring the latest Intel Core Ultra Series 3 processor and NVIDIA RTX Pro graphics, this machine delivers exceptional speed for AI workloads, rendering, and multitasking while maintaining a slim, lightweight design perfect for on-the-go productivity.

Built with robust connectivity including Wi-Fi 7 and Thunderbolt 4 ports, you can connect to any peripheral instantly. With Windows 11 Pro pre-installed and Copilot+ capabilities integrated directly into the hardware, this laptop ensures your data is secure and your creative processes are accelerated. Secure yours today by buying now.

Laptop performance tier: High-End Mobile Workstation

Uses: Professional design, 3D rendering, AI development, engineering simulations, video editing, business computing

Overview:

The HP ZBook 8 G2i Mobile Workstation (Part Number: DS3X4AT) redefines professional mobility by combining enterprise-grade power with a sleek, lightweight chassis. Designed for demanding workflows, this workstation notebook leverages the latest Intel Core Ultra Series 3 architecture to deliver exceptional performance in a compact form factor. Whether you are rendering complex 3D models, analyzing large datasets, or running local AI applications, the ZBook 8 ensures that your productivity is never compromised by hardware limitations.

Description

This powerful workstation notebook features an Intel Core Ultra 7 processor with integrated NPU capabilities for accelerated AI tasks. It comes equipped with 48GB of high-speed DDR5 memory and a dedicated NVIDIA RTX Pro 500 graphics card, ensuring smooth performance in professional applications. The device includes a vibrant 14-inch WUXGA display, Wi-Fi 7 connectivity, and a spill-resistant keyboard designed for durability. With Windows 11 Pro pre-installed and a long-lasting battery, it is the ideal partner for professionals who need reliability on the go.

Features:

A New Era of Mobile AI Performance

The HP ZBook 8 stands out as a true Copilot+ PC, bringing local artificial intelligence capabilities directly to your workflow. By utilizing an Intel NPU with peak performance of 50 TOPS, you can offload complex AI productivity tasks to run efficiently on the device itself. This architecture ensures that demanding professional workflows are handled seamlessly while saving time for your most critical creative work. The system is purpose-built to send the right tasks to the right engine at the right time, delivering power-efficient performance tailored for modern business demands.

Professional Graphics and Memory Power

To handle intricate design projects and data visualization, this notebook includes an NVIDIA RTX Pro 500 graphics card with 6GB of dedicated GDDR7 memory. This discrete graphics solution works in tandem with the integrated Intel Graphics to provide a versatile experience for both creative and engineering tasks. Paired with 48GB of DDR5-5600 memory across two SODIMM slots, you have ample power to run multiple virtual machines or heavy applications simultaneously without slowdowns.

Connectivity and Portability

Designed for the modern hybrid workplace, this workstation offers robust connectivity options including Wi-Fi 7 and Bluetooth 6.0 for reliable connections in dense environments. The chassis is built to move with you, weighing just over a kilogram while maintaining durability. A spill-resistant keyboard with a drain hole design protects against minor accidents, ensuring your work continues even when distractions happen.

Key Specifications

- Processor: Intel Core Ultra 7 356H (16 Cores, up to 4.7 GHz)
- Memory: 48 GB DDR5-5600 SO-DIMM (Expandable to 64GB)
- Graphics: NVIDIA RTX Pro 500 6GB Dedicated + Intel Integrated
- Display: 14" WUXGA IPS Anti-glare, 400 nits, 100% sRGB
- Storage: 1 TB PCIe Gen5 NVMe M.2 SSD
- Operating System: Windows 11 Professional 64-bit
- Connectivity: Wi-Fi 7 BE211 and Bluetooth 6.0
- Battery: HP Long Life 8-cell, 77 Wh Polymer

Display and Visual Precision

The visual experience is enhanced by a 14-inch diagonal WUXGA display featuring IPS technology for wide viewing angles. With a brightness level of 400 nits and coverage of 100% sRGB, colors appear vibrant and accurate, making it suitable for color-critical work. The non-glossy anti-glare finish ensures that you can work comfortably in various lighting conditions without distracting reflections.

Comprehensive Connectivity Options

Stay connected with a wide array of ports including two Thunderbolt 4 connectors supporting USB Power Delivery and DisplayPort 2.1 on the left side, and an HDMI 2.1 port for external displays. The right side features a USB Type-A 5Gbps port, another USB Type-C connector with power delivery, and a nano security lock slot to keep your device secure in public spaces.

Audio and Camera Capabilities

Communication is clear and professional thanks to the Audio by Poly Studio system, which includes dual integrated stereo speakers and discrete amplifiers. The 5 MP IR AI camera ensures high-quality video conferencing with intelligent framing, while dual array digital microphones filter out background noise for crystal-clear calls.

What's in the box

- HP ZBook 8 G2i Workstation Notebook
- HP 140 W USB Type-C Slim Adapter
- Power Cord
- Documentation and Safety Guides

Specifications:

Operating system	Windows 11 Pro
Processor family	Intel Core Ultra 7 processor
Processor	Intel Core Ultra 7 356H (up to 4.7 GHz with Intel Turbo Boost Technology, 18 MB L3 cache, 16 cores, 16 threads)
Graphics	Integrated
	Intel Graphics

Graphics	Discrete
	NVIDIA RTX PRO 500 Blackwell Generation Laptop GPU (6 GB GDDR7 dedicated)
Memory	48 GB DDR5-5600 MT/s (2 x 24 GB)
Memory Slots	2 SODIMM
Internal Storage	1 TB PCIe Gen5 NVMe M.2 SSD
Display	14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB
Display	35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB
Touchscreen	No
Color gamut	100% sRGB
Dimensions (W x D x H)	31.56 x 22.2 x 1.9 cm (Dimensions vary by configuration)
Weight	Starting at 1.43 kg (Weight varies by configuration and components.)
Battery type	HP Long Life 8 cell, 77 Wh Polymer
Wireless	Intel Wi-Fi 7 BE211 (2x2) and Bluetooth 6.0 wireless card
Product color	Meteor silver aliminium
Keyboard	HP Premium Keyboard - spill-resistant, backlit keyboard
Camera	5 MP IR AI camera
Audio	Audio by Poly Studio, 2 integrated stereo speakers (1W/8 ohm per speaker), discrete amplifiers, 2 integrated dual array digital microphones
Pointing device	ClickPad Glass with multi-touch gesture support, taps enabled as default
Memory card device	1 smart card reader
Ports	Left side 1 HDMI 2.1 , 1 3.5 mm audio combo jack , 2 Thunderbolt 4 with USB Type-C 40Gbps signaling rate (USB Power Delivery, DisplayPort 2.1)
	Right side 1 USB Type-A 5Gbps signaling rate , 1 nano security lock slot , 1 USB Type-C 10Gbps signaling rate (USB Power Delivery, DisplayPort 1.4)
Power	HP 140 W USB Type-C slim adapter
Fingerprint reader	Fingerprint reader

FAQ

What kind of performance does the HP ZBook 8 G2i offer for professional workloads?

The HP ZBook 8 G2i is designed as a mobile workstation featuring an Intel Core Ultra 7 processor with up to 16 cores and dedicated NVIDIA RTX Pro 500 graphics, allowing it to handle demanding pro applications and complex business tasks efficiently.

Can I upgrade the memory or storage on this notebook?

Yes, this model comes with 48GB of DDR5-5600 memory across two SODIMM slots that support a maximum capacity of 64GB, and it includes an M.2 slot for a 1TB PCIe SSD which can be expanded if needed.

Does this laptop include a disc drive or is the keyboard spill-resistant?

This notebook does not have an optical drive (CD/DVD), but it features a spill-resistant backlit keyboard with drain holes to help manage minor liquid accidents.

What connectivity options and display quality can I expect for remote work?

The laptop features Wi-Fi 7 and Bluetooth for fast, reliable wireless connections in dense environments. It includes a 14-inch WUXGA IPS display with anti-glare coating and 400 nits brightness, along with dual Thunderbolt 4 ports to support high-speed

data transfer and external displays.

Is this device suitable for running local AI tasks?

Absolutely, the HP ZBook 8 is a Copilot+ PC equipped with an Intel NPU capable of up to 50 TOPS, allowing you to run local AI productivity tasks and handle AI-enhanced professional workflows directly on the machine.

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-DS3X4AT-HP-ZBook-8-G2i-14-Core-Ultra-3-Workstation-Notebook-lp-342074.php

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