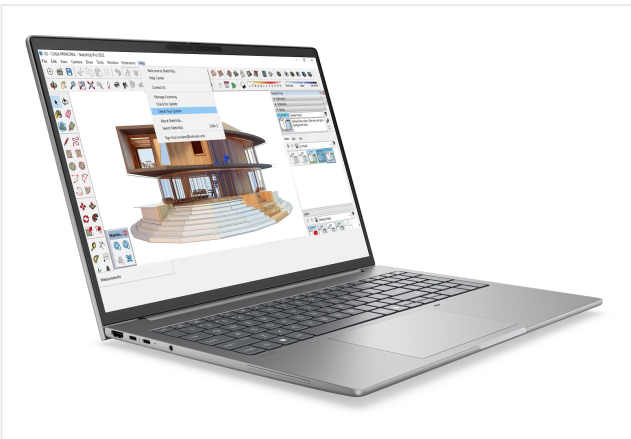
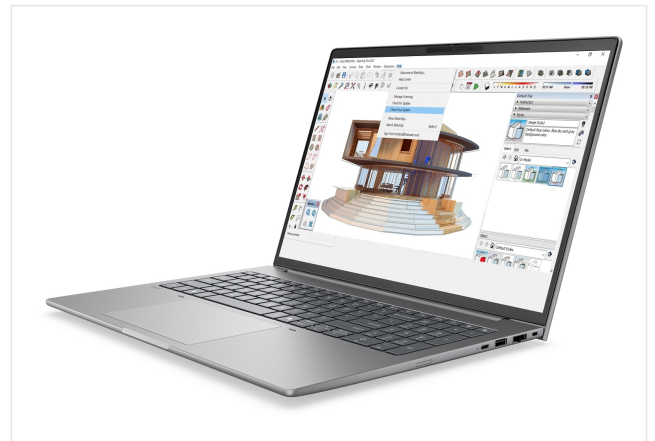
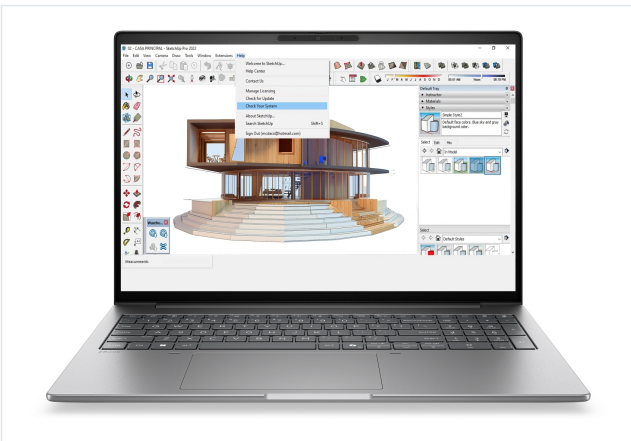


## DS3X7AT

HP ZBook 8 G2a 16 Workstation Notebook Ryzen AI 7 Pro 450 5.1GHz 48GB 1TB 16" WUXGA AMD Radeon BT Win 11 Pro

### Product Overview

**HP ZBook 8 G2a 16 Series DS3X7AT Silver Workstation Notebook, AMD Ryzen AI 7 Pro 450 Eight (8) Core Turbo Boost up to 5.1Ghz 16MB L3 Cache Processor, 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), 16" WUXGA (1920 x 1200 resolution) Non Gloss Type IPS, 400nits LED Backlit Display, AMD Radeon 860M graphics, Intel NPU Peak 50 TOPS, Wi-Fi 7, Bluetooth, Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, Full Size Keyboard with Numpad, 2x Thunderbolt 4 with USB Type-C 40Gbps (USB Power Delivery / DisplayPort 2.1), 1x USB Type-A 5Gbps, 1x USB Type-C 10Gbps (USB Power Delivery / DisplayPort 1.4), HDMI output, 1.8 kg, Microsoft Windows 11 Professional 64 bit, 3 Year Carry in warranty**





## Specifications

### Summary Overview:

Upgrade your workflow with the powerful HP ZBook 8 G2a Mobile Workstation, now available for purchase in South Africa. This sleek silver notebook combines professional-grade performance with a lightweight design, making it perfect for demanding tasks like engineering, data analysis, and AI-enhanced workflows. Equipped with an AMD Ryzen AI 7 Pro processor, 48GB of DDR5 memory, and a rapid 1TB SSD, this machine ensures you can handle complex projects seamlessly while staying productive on the go.

Designed for professionals who need reliability, the HP ZBook 8 features a bright 16-inch WUXGA display, Wi-Fi 7 connectivity, and fast charging capabilities to keep you moving. Whether you are collaborating remotely or working in the field, this Copilot+ PC delivers exceptional speed and security with Windows 11 Pro. Don't let performance limitations hold you back; secure your high-end mobile workstation today by buying now.

**Laptop performance tier:**High-End Mobile Workstation

**Uses:**Engineering software, AI development, data visualization, video editing, 3D modeling, business computing

### Overview:

The HP ZBook 8 G2a 16 Series (Part Number DS3X7AT) is a powerful mobile workstation designed for professionals who demand high performance without the bulk. Powered by the next-generation AMD Ryzen AI 7 PRO 450 processor, this laptop delivers exceptional speed with turbo boost capabilities reaching up to 5.1 GHz. It combines this processing power with an integrated Intel NPU capable of 50 TOPS, making it a true Copilot+ PC ready for demanding local artificial intelligence tasks. Whether you are rendering complex graphics, compiling code, or managing heavy data sets, the ZBook 8 ensures your workflows remain smooth and uninterrupted.

The display is equally impressive, featuring a 16-inch WUXGA IPS screen with anti-glare coating and 400 nits of brightness. This ensures excellent color accuracy covering 100% sRGB, making it ideal for creative professionals who need reliable visual fidelity in various lighting conditions. The machine comes pre-loaded with Microsoft Windows 11 Pro to provide enterprise-grade security and collaboration tools. With a sleek silver finish and a weight starting at just 1.76 kg, it strikes the perfect balance between portability and rugged durability.

### Description

The HP ZBook 8 G2a combines robust AMD Ryzen AI processing with a stunning 16-inch display to create a versatile mobile workstation. Key benefits include rapid performance for AI-enhanced workflows via the integrated NPU, ample memory capacity of 48 GB DDR5 for seamless multitasking, and fast charging capabilities that restore 50% battery life in just half an hour. The device also features a spill-resistant keyboard with a numeric keypad, advanced Wi-Fi 7 connectivity, and a comprehensive array of ports including Thunderbolt 4 and HDMI 2.1 for versatile docking options.

Features:

Why Choose This Mobile Workstation

This notebook is engineered to handle the most demanding professional applications while maintaining a slim profile that fits easily into any backpack or briefcase. The dual cooling fans ensure the system stays cool during extended periods of heavy use, preventing thermal throttling and maintaining peak performance levels. Users can rely on the durable build quality which includes a spill-resistant keyboard design with drain holes to protect against minor accidents.

The connectivity suite is comprehensive, featuring Wi-Fi 7 for faster wireless speeds and lower latency compared to previous generations. You will also find Bluetooth 6.0 support for connecting peripherals effortlessly. For physical connections, the left side houses two Thunderbolt 4 ports supporting USB Power Delivery and DisplayPort 2.1, along with an HDMI 2.1 output and a combo audio jack. The right side includes a USB Type-A port, another USB-C port with power delivery, and a nano security lock slot to keep your device secure in public spaces.

Performance and Memory Specifications

- CPU: AMD Ryzen AI 7 PRO 450 with up to 8 cores, 16 threads, and 16 MB L3 cache
- Memory: 48 GB DDR5-5600 MT/s RAM (2 x 24 GB modules) expandable up to 64 GB
- Storage: 1 TB PCIe Gen5 NVMe M.2 SSD for ultra-fast data access
- Graphics: Integrated AMD Radeon 860M with unified memory architecture
- AI Processing: Intel NPU delivering 50 TOPS for local AI tasks

The system runs on a robust operating environment provided by Microsoft Windows 11 Pro, which integrates seamlessly with HP collaboration tools. This setup allows you to summarize content, get relevant recommendations via Microsoft Copilot, and stay organized across all your projects. The audio experience is elevated by Poly Studio technology, featuring two integrated stereo speakers and discrete amplifiers for clear sound reproduction during video calls or media consumption.

Battery life is a priority for mobile professionals, with the HP Long Life 3-cell battery providing reliable power throughout the day. When you do need to recharge, HP Fast Charge technology allows you to go from zero to 50 percent in approximately 30 minutes using the included 100 W USB Type-C GaN power adapter. The keyboard is designed for comfort and durability, featuring a backlit layout with a full-size numeric keypad and spill resistance.

The device also includes advanced security features such as an IR camera for facial recognition login via Windows Hello and a fingerprint reader for quick authentication. A ClickPad glass touchpad supports multi-touch gestures and taps by default, ensuring intuitive navigation without the need for a mouse. The sustainability of the product is also considered, with packaging made from 100% recycled or certified sources and at least 60% post-consumer recycled plastic used in construction.

What's in the box

- HP ZBook 8 G2a Mobile Workstation PC (DS3X7AT)
- HP 100 W wall mount USB Type-C GaN power adapter
- Cable and documentation

Specifications:

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| Operating system | Windows 11 Pro                                                                              |
| Processor family | AMD Ryzen AI 7 PRO processor                                                                |
| Processor        | AMD Ryzen AI 7 PRO 450 (up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) |
| Graphics         | Integrated                                                                                  |
|                  | AMD Radeon 860M Graphics                                                                    |
| 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          | 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB                     |

|                               |                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                       | 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB                                                                                                                                                                                                                                 |
| Touchscreen                   | No                                                                                                                                                                                                                                                                                                                |
| Color gamut                   | 100% sRGB                                                                                                                                                                                                                                                                                                         |
| Dimensions (W x D x H)        | 35.9 x 25 x 1.9 cm (Dimensions vary by configuration)                                                                                                                                                                                                                                                             |
| Weight                        | Starting at 1.76 kg (Weight varies by configuration and components.)                                                                                                                                                                                                                                              |
| Battery type                  | HP Long Life 3 cell, 68 Wh Polymer                                                                                                                                                                                                                                                                                |
| Battery recharge time         | Supports battery HP fast charge: approximately 50% in 30 minutes                                                                                                                                                                                                                                                  |
| Wireless                      | MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth 6.0 wireless card                                                                                                                                                                                                                                                     |
| Keyboard                      | HP Premium Keyboard - spill-resistant, backlit keyboard with numeric keypad                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                          |
| 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 100 W wall mount USB Type-C GaN power adapter                                                                                                                                                                                                                                                                  |
| Sustainability specifications | Molded paper pulp cushion inside box is made of 100% recycled or certified sources , Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable , At least 60% post-consumer recycled plastic , Low halogen , Bulk packaging available , External power supply 90% efficiency |

FAQ

Is this laptop suitable for demanding professional workflows and AI tasks?

The HP ZBook 8 G2a is designed as a mobile workstation featuring an AMD Ryzen AI 7 PRO processor with an integrated NPU that delivers up to 50 TOPS of peak performance. It supports local AI processing and runs Microsoft Windows 11 Pro, making it ideal for demanding professional applications and Copilot+ PC features.

What are the connectivity options available on this workstation?

This notebook offers extensive connectivity including Wi-Fi 7 with Bluetooth 6.0, two Thunderbolt 4 ports supporting USB Power Delivery and DisplayPort 2.1, an HDMI 2.1 port, a USB Type-A port, and another USB Type-C port with DisplayPort 1.4 capabilities.

Can I upgrade the memory or storage on this device?

The laptop comes equipped with 48GB of DDR5-5600 memory across two SODIMM slots and supports a maximum of 64GB, allowing for future upgrades. It includes one M.2 2280 slot for a PCIe SSD, though it does not have an optical drive or CD player.

How durable is the keyboard and how long does the battery last?

The HP Premium Keyboard features spill-resistant design with drain holes to protect against minor accidents. The device includes a 3-cell battery that supports fast charging, reaching 50% charge in approximately 30 minutes.

Does this model include a touchscreen or come with the necessary accessories?

This specific configuration features a 16-inch WUXGA IPS display without a touchscreen. It ships with Microsoft Windows 11 Pro and includes an HP 100W USB Type-C GaN power adapter.

## 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-DS3X7AT-HP-ZBook-8-G2a-16-Workstation-lp-340834.php>**

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