ComX Computers
Product Specification Sheet

55688783

HP ZBook Fury G1i 16 Core Ultra 2 Workstation Notebook 64GB 1TB 16" WUXGA RTX Pro 4000 16GB BT Win 11 Pro

Product Overview

HP ZBook Fury G1i 16 Series Core Ultra Series 2 55688783 Grey Workstation Notebook, Intel Core Ultra 7 255HX Series 2 Twenty (20) Core Arrow Lake Turbo Boost up to 5.2Ghz 30MB L3 Cache Processor (8 Perfomance Cores & 12 Efficient Cores), 64GB DDR5-5600 SO-Dimm Memory (2x32GB), Supports 128GB Max Mem, 4 Memory slots, 1TB SSD Solid State Hard Drive PCIe, 2TB SSD Solid State Hard Drive PCIe, M.2 2280 slot, NO optical drive (No CD), 16" WUXGA (1920 x 1200 resolution) Non Gloss Type 400nits LED Backlit Display, nVidia RTX Pro 4000 16GB 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, Full Size Keyboard with Numpad, 2x Thunderbolt 5 with USB Type-C 80 Gbps (USB Power Delivery / DisplayPort 2.1), 1x USB Type-A 10Gbps, 1x Thunderbolt 4 with USB Type-C 40Gbps (USB Power Delivery / DisplayPort 2.1), HDMI output, 2.5 kg, Microsoft Windows 11 Professional 64 bit, 1 Year Carry in warranty











Specifications

Summary Overview:

Upgrade your workflow with the powerful HP ZBook Fury G1i, a premium mobile workstation tailored for demanding professionals in South Africa. Featuring an Intel Core Ultra 7 processor and NVIDIA RTX Pro 4000 graphics, this laptop delivers desktop-class performance for AI development, 3D rendering, and complex data analysis.

Equipped with 64GB of DDR5 memory and a massive 3TB SSD storage array, you will experience seamless multitasking and rapid file access. Secure your high-performance machine today by buying now to enhance your productivity without compromise.

Laptop performance tier: High-End Workstation

Uses:AI Development, Data Visualization, 3D Rendering, Heavy Multitasking, Engineering Simulation

Overview:

Overview of the HP ZBook Fury G1i Mobile Workstation

The HP ZBook Fury G1i is a high-performance 16-inch workstation notebook designed for professionals handling demanding workloads. This mobile powerhouse combines desktop-class power with portable convenience, making it an ideal choice for AI development, data visualization, and heavy multitasking scenarios. Powered by the latest Series 2 Intel Core Ultra 7 255HX processor featuring twenty cores, it delivers exceptional speed with a turbo boost up to 5.2GHz. The system is further enhanced by NVIDIA RTX Pro 4000 graphics with 16GB of dedicated memory, ensuring smooth rendering and high-fidelity visual performance.

Built for efficiency and reliability, this workstation includes 64GB of DDR5-5600 SO-Dimm memory across four slots, supporting up to 128GB for future expansion. Storage is handled by a robust dual-drive setup comprising both a 1TB and a 2TB PCIe SSD, providing ample space for large files and rapid data access without an optical drive. The 16-inch WUXGA display offers a crisp 1920 x 1200 resolution with non-glossy anti-glare coating and 400 nits brightness, ensuring clarity in various lighting conditions.

Description

This premium workstation delivers unmatched performance for creative professionals and engineers. It features the cutting-edge Intel Core Ultra Series 2 processor for seamless multitasking and AI acceleration with up to 13 TOPS of compute power. The machine includes a full-size backlit keyboard with numeric keypad, a high-resolution webcam, and comprehensive connectivity options including Wi-Fi 7 and Thunderbolt 5 ports. Designed for durability and ease of use, it comes pre-installed with Microsoft Windows 11 Professional and includes essential security features like a fingerprint reader.

Features:

Key Performance Specifications

The technical backbone of this device is built to handle the most rigorous tasks without compromise. Below are the core specifications that define its capabilities:

- Processor: Intel Core Ultra 7 255HX with 20 cores (8 Performance, 12 Efficient) and up to 5.2GHz turbo speed
- Memory: 64GB DDR5-5600 SO-Dimm RAM expandable to 128GB via 4 slots
- Graphics: NVIDIA RTX Pro 4000 with 16GB GDDR7 dedicated VRAM and Intel AI Boost technology
- Storage: Dual M.2 PCIe SSDs including a 1TB drive and a 2TB drive for maximum capacity and speed
- Display: 16-inch WUXGA (1920 x 1200) non-touch LED backlit screen with anti-glare coating and 400 nits brightness

Connectivity and Ports

Staying connected is effortless thanks to the comprehensive array of ports included in this model. The system supports next-generation Wi-Fi 7 standards alongside a Gigabit Ethernet LAN port for stable wired connections. Users will find two Thunderbolt 5 ports offering 80 Gbps speeds, one Thunderbolt 4 port at 40 Gbps, and additional USB Type-A and HDMI outputs. Security is maintained with a built-in fingerprint reader and support for Kensington Nano lock slots.

- 2x Thunderbolt 5 (USB Type-C) supporting power delivery and DisplayPort 2.1
- 1x Thunderbolt 4 (USB Type-C) at 40Gbps
- 1x USB Type-A port with 10Gbps signaling rate
- HDMI 2.1 output for external displays
- RJ45 Gigabit Ethernet and Wi-Fi 7 wireless connectivity

Dimensions and Design Details

Weighing in at approximately 2.5 kg, this Meteor Silver notebook balances robustness with portability. The chassis houses an 8-cell battery to ensure extended usage times away from power outlets. Input is handled by a premium backlit keyboard featuring a numeric keypad, while the 5MP IR webcam ensures clear video conferencing. The device runs on Microsoft Windows 11 Professional 64-bit and includes Part Number 55688783 for easy identification.

What's in the box

- HP ZBook Fury G1i 16-inch Mobile Workstation
- HP Business 17 Backpack
- HP 235 Slim Wireless Mouse

Specifications:

Product	HP ZBook Fury G1i 16 inch Mobile Workstation AI PC
Product type	Mobile Workstation
Form factor	Clamshell
Processor family	Series 2 Intel Core Ultra 7
Processor model	255HX
Processor frequency	1.80 / 5.20 GHz (30MB Cache, 20 Cores)
NPU	Intel AI Boost, up to 13 TOPS
Display diagonal	40.6 cm (16")
HD type	WUXGA
Display resolution	1920 x 1200 pixels
Display	Non-Touch, UWVA, Anti-Glare, Low Blue Light, 400nits, Low power, 100% sRGB
Internal memory	64 GB 5600 MHz (2 x 32 GB)
Internal memory type	DDR5-SDRAM
Total storage capacity	1 TB M.2 PCIe-4x4 NVMe TLC + 2TB M.2
Storage media	SSD

On-board graphics card model	Intel Graphics
Discrete graphics card model	NVIDIA RTX Pro 4000 Blackwell 16GB GDDR7 Graphics
Keyboard	Backlit, HP Premium Quiet, with Numeric keypad
Camera	5MP IR
Fingerprint reader	Yes
Smart card reader	Not Supported
Operating system installed	Windows 11 Pro
Product colour	Meteor Silver
Weight	Starting at 2.43 kg
Ports and Slots	1. Smart Card Reader (Not Included, Select models only)
	2. Headphone/microphone combo
	3. Thunderbolt 4 with USB Type-C
	4. USB Type-A 10 Gbps signaling rate
	5. RJ45 2.5 Gbe
	6. Kensington Nano lock slot
	7. Power connector
	8. Thunderbolt 5 with USB Type-C 80 Gbps signaling rate
	9. HDMI 2.1
	10. SD card reader
What's included	HP ZBook Fury G1i 16
	HP Business 17 Backpack
	HP 235 Slim Wireless Mouse

FAQ

What are the storage and memory capabilities of this laptop?

The HP ZBook Fury G1i comes equipped with 64GB of DDR5-5600 SO-Dimm memory (expandable to a maximum of 128GB across four slots) and includes both a 1TB M.2 PCIe SSD and an additional 2TB M.2 SSD for ample high-speed storage.

Does this workstation include optical drives like CD or DVD players?

No, this model does not have an internal optical drive; it relies entirely on digital media and external connectivity options such as the included SD card reader for data transfer.

What display quality can I expect from this 16-inch notebook?

The device features a 16" WUXGA (1920 x 1200) Non-Touch UWVA LED Backlit Display with an anti-glare finish, offering 400 nits brightness and covering 100% of the sRGB color gamut for accurate visuals.

What connectivity ports are available on this machine?

The workstation is well-equipped with two Thunderbolt 5 (80 Gbps) ports, one Thunderbolt 4 port, an HDMI output, a USB Type-A 10Gbps port, a Gigabit Ethernet LAN connection, and a Kensington Nano lock slot for security.

Does the laptop come with any accessories or protective gear?

Yes, the package includes the HP ZBook Fury G1i notebook along with an HP Business 17 Backpack and an HP 235 Slim Wireless Mouse to get you started immediately.

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-55688783-HP-ZBook-Fury-G1i-16-Core-Ultra-2-Workstation-Notebook-lp-342080.php

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