



HP ProDesk 2 G1a E AI AMD Ryzen™ 5 8500G 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Tower PC Black



Brand : HP

Product family: ProDesk 2

Product code: BY7B0ET

Product name : ProDesk 2 G1a E AI

- AMD Ryzen™ 5 8500G (up to 5.0 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)
 - Windows 11 Pro
 - AMD Radeon™ 740M Graphics
 - 16 GB DDR5-5200 MT/s (1 x 16 GB), 512 GB PCIe NVMe™ M.2 SSD
- ProDesk 2 Tower G1a E Desktop AI PC, Windows 11 Pro, AMD Ryzen™ 5, 16GB RAM, 512GB SSD

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Supercharge your workflow with AI at your fingertips

The ProDesk 2 Tower G1a Desktop AI PC helps optimize business resources. Equipped for business operations with a powerful AMD processor^[2] featuring a dedicated NPU^[3], tools for application and business flow requirements, and security features. This affordably priced and easy to set up PC has a future-forward design that can grow with your business.

Processor		Ports & interfaces	
Processor manufacturer *	AMD	HDMI version	1.4b
Processor family *	AMD Ryzen™ 5	Ethernet LAN (RJ-45) ports	1
Processor generation	AMD Ryzen 8000 Series	Combo headphone/mic port	✓
Processor model *	8500G	Line-out	✓
Processor cores	6	Line-in	✓
Processor threads	12	Microphone in	✓
Processor boost frequency	5 GHz	Serial ports quantity	1
Processor frequency *	3.7 GHz		
Processor cache	16 MB	Expansion slots	
Processor cache type	L3	Number of 3.5" bays	1
Memory		PCI Express x1 (Gen 3.x) slots	1
Internal memory *	16 GB	PCI Express x16 (Gen 4.x) slots	1
Maximum internal memory *	16 GB	Power	
Internal memory type	DDR5-SDRAM	Power supply *	180 W
Memory layout (slots x size)	1 x 16 GB	Power supply input voltage	100 - 240 V
Memory slots	2x DIMM	Power supply input frequency	50 - 60 Hz
Memory clock speed	5200 MHz	Design	
Memory module type	DIMM	Chassis type *	Tower
Storage		Colour name	Jack black
Total storage capacity *	512 GB	Cable lock slot	✓
Storage media *	SSD	Product colour *	Black
Optical drive type *	✗	Introduction year	2025
Number of storage drives installed	1	Country of origin	China
Total SSDs capacity	512 GB	Software	
Number of SSDs installed	1	Operating system installed *	Windows 11 Pro
SSD capacity	512 GB	Pre-installed software	HP Documentation
SSD interface	PCI Express	Display	
NVMe	✓	Display included *	✗
SSD form factor	M.2		

Graphics		Brand-specific features	
Discrete graphics card *	✗		Padlock loop; Trusted Platform Module (TPM) 2.0; Integrated accessories cable lock; Slim cable lock
On-board graphics card *	✓	HP Security tools	
Discrete graphics card model *	Not available	HP GTIN (EAN/UPC)	199485302393
On-board GPU manufacturer	AMD	HP segment	Business
On-board graphics card family	AMD Radeon Graphics	Operational conditions	
On-board graphics card model *	AMD Radeon 740M	Operating temperature (T-T)	5 - 35 °C
Performance		Operating relative humidity (H-H)	15 - 80%
Market positioning	Proven productivity	Weight & dimensions	
Motherboard chipset	AMD PRO 665	Width *	155 mm
Password protection	✓	Depth *	308 mm
Password protection type	BIOS, Power on	Height *	155 mm
Trusted Platform Module (TPM)	✓	Weight *	6.1 kg
Product type *	PC	Packaging data	
Trusted Platform Module (TPM) version	2.0	Package width	499 mm
Network		Package depth	400 mm
Ethernet LAN *	✓	Package height	287 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Package weight	9.04 kg
Wi-Fi *	✓	Packaging content	
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)	Keyboard included	✓
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Numeric keypad	✗
WLAN controller manufacturer	Realtek	Input device model	HP 125 Wired Mouse
WLAN controller model	Realtek RTL8852BE-VT	Sustainability	
Antenna type	2x2	Sustainability compliance	✓
Bluetooth	✓	Sustainability certificates	ENERGY STAR, TCO10
Bluetooth version	5.4	Sustainable technologies and materials	46% post-consumer recycled plastic
Ports & interfaces		Logistics data	
USB 2.0 ports quantity *	3	Harmonized System (HS) code	8471500000
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Supplier features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Manufacturer warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Keyboard	
DisplayPorts quantity	1	Keyboard connectivity	Wired
DisplayPort version	1.4a	Technical details	
HDMI ports quantity *	1	General Product Safety Regulation (GPSR) URL	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true
Other features		UNSPSC-code	43211507



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