



HP X2 UDIMM DDR5 Memory Modules Owner's Manual

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HP X2 UDIMM DDR5 Memory Modules



Product Information

- **Product Name:** HP X2 UDIMM DDR5
- **Product Features:**
 - Runs at speeds starting at 4800 MHz+
 - Compatible with 12th-gen Intel processors for powerful performance

- Supports faster speed and larger capacity with new-gen DDR5 technology
- On-die ECC ensures secure and stable data transmission
- Comes with a 5-year warranty and extensive customer support
- Power-saving PMIC with low working voltage of 1.1V

• **Product Specifications:**

- **RAM Type:** DDR5
- **DIMM Type:** UDIMM
- **Speed:** 4800 MHz
- **Timing:** CL40
- **Capacity:** 16 GB / 32 GB
- **Rank:** 1R x 8 / 2R x 8
- **Voltage:** 1.1 V
- **Working Temperature:** 0°C to 85°C
- **Dimensions:** 133.35 x 31.25 x 3.50 mm
- **Weight:** 30 g
- **Pin:** 288
- **Certifications:** CE, FCC, RoHS, VCCI, RCM, UKCA
- **Warranty:** 5-Year Limited

Product Usage Instructions

1. Ensure compatibility:

- Check if your motherboard and CPU support the specifications of the HP X2 DDR5 RAM.
- If purchasing high-frequency memory for overclocking, make sure to have a matching motherboard and processor.

2. Installation:

- Install the HP X2 DDR5 RAM into an available DIMM slot on your desktop.

3. Activation:

- After installation, activate XMP (Extreme Memory Profile) to enjoy the overclocking speed (applicable for high-frequency memory).

4. Laptop Compatibility:

- If you are purchasing DDR5 RAM for a laptop, ensure that your laptop supports the new DDR5 technology.

Product Features

• **4800 MHz+ runs your system faster**

Built with high-quality ICs, the HP X2 delivers a fast speed starting at 4800MHz. It brings out the powerful performance of the 12th-gen Intel, providing you with effortless multitasking.

• **On-die ECC ensures secure and stable data transmission.**

On-die Error Correction Code (ECC) corrects errors in the received data from the DRAMs, providing enhanced stability, data integrity, and robust reliability.

• **New-gen DDR5 upgrades your desktop**

The new-gen HP X2 DDR5 brings you faster speed, larger capacity. Featuring two independently addressable

32-bit subchannels, the HP X2 enables better rendering and content creation.

- **Trusted global brand offers super customer services**

The HP X2 DDR5 comes with a 5-year warranty for your peace of mind. More than 400+ support centers offer worry-free after-sales service.

- **Power-saving PMIC, low working voltage**

The HP X2 saves more power with a low working voltage of 1.1V. Power management (PMIC) on the module helps improve signal integrity and ensure a stable power supply. The intelligent voltage regulation lets you overclock your CPU, pushing the boundaries of gaming.

HP Advantage

HP is one of the world's most recognized and valuable brands (ranked annually by such organizations as BusinessWeek, Interbrand, and Boston Consulting Group). Fueled by innovative research and distinctive marketing, the HP brand is famous as a world leader in personal computers, printers, and other IT products. HP personal storage continues to forge ahead in technology, creating new storage products so customers can upgrade their computing experience with the comfort of a great product and a comprehensive after-sales system providing service globally. Under an official worldwide license, HP personal storage (SSDs, DRAM, memory cards) products are designed, built, marketed, and sold by BIWIN Technology. All trademarks are the property of the respective brand owners.

Product Specifications

RAM Type	DDR5
DIMM Type	UDIMM
Speed	4800 MHz
Timing	CL40
Capacity	16 GB / 32 GB
Rank	1R x 8 / 2R x 8
Voltage	1.1 V
Working Temperature	0 °C to 85 °C
Dimensions	133.35 x 31.25 x 3.50 mm
Weight	≤30 g
Pin	288 Pin
Certifications	CE, FCC, RoHS, VCCI, RCM, UKCA
Warranty	5-Year Limited

1. Updates are required throughout product life cycle when necessary. HP reserves the right to change product images and specifications at any time without notice.
2. All product specifications are under internal test results and are subject to variations by user's system configuration.
3. Product are subject to regional availability.
4. Instructions for purchasing high-frequency memory: overclocking memory needs to be equipped with a

matching motherboard and processor to exert its overclocking performance. Please verify prior to purchase whether your motherboard and CPU support the specifications of what you want to buy. Activate XMP after installation to enjoy the overclocking speed.

5. Before purchasing DDR5, please check if your laptop can use the new DDR5 technology.


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Designed to push the limits of your desktop, the HP X2 features high-quality ICs and fast speeds starting at 4800 MHz. With boosted performance, it is also compatible with new-gen mainstream platforms. The on-die ECC and PMIC bring you enhanced stability and robust reliability.

- Hand-screened ICs
- Starts at 4800 MHz
- PMIC
- On-die ECC

Documents / Resources

	<p>HP X2 UDIMM DDR5 Memory Modules [pdf] Owner's Manual X2 UDIMM DDR5, X2 UDIMM DDR5 Memory Modules, Memory Modules</p>
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