

Crucial® LPCAMM2 Powers AI-Ready Laptops With Breakthrough 8,533MT/s Speeds

Crucial LPCAMM2 delivers upgradeable, high-performance memory for next-gen AI PCs

What's New:

Micron Technology is pushing the boundaries of laptop performance with higher speeds for Crucial LPCAMM2 memory, now reaching up to 8,533 megatransfers per second (MT/s). This latest enhancement brings even more performance to Crucial's standards-based compact memory module, purpose-built to allow easy upgrades, efficient energy use and AI-ready computing.

With the new speed and densities up to 64GB, Crucial LPCAMM2 allows users to run complex simulations, real-time AI tasks and data-intensive workloads with ease. This launch marks a major step forward in mobile memory innovation, offering 1.5 times faster performance¹ and lower power consumption than traditional DDR5 SODIMMs.

The modules deliver all the benefits of Micron's leading LPDDR5X mobile memory in a form factor that is less than half the size of standard SODIMMs, enabling users to upgrade, repair and extend the life of their devices, reducing e-waste.

"Our customers are looking for upgradeable memory solutions that can keep pace with the demands of AI workloads and mobile multitasking," said Jonathan Weech, senior director of product marketing for Micron's Commercial Products Group. "Crucial LPCAMM2 is designed to meet those needs with speed, energy efficiency and the flexibility to upgrade, all in a compact form factor."

Why It Matters:

Crucial LPCAMM2 is ideal for AI developers, creators and mobile professionals who need fast, efficient memory for multitasking, rendering and handling large datasets.

¹ LPDDR5X data rate of 8,533MT/s transfers up to 1.52x more data than the standard DDR5 SODIMM data rate of 5,600MT/s.

- In real-world multitasking scenarios — like web browsing, video conferencing and photo editing — with greater performance traditional DDR5 SODIMMs.²
- Crucial LPCAMM2 also achieves better performance in productivity workloads such as office applications, spreadsheets and writing tools.²

With improved performance and power efficiency over traditional SODIMMs,³ the module delivers performance for AI tasks on the go and contributes to upgradeability and a more sustainable IT strategy.

The LPCAMM2 form factor was developed in close collaboration with leading PC ecosystem partners and top OEMs to ensure seamless integration with next-generation AI PCs.⁴ That effort helped shape the standard to meet the evolving needs of mobile computing, enabling breakthrough performance, power efficiency and upgradeability.

LPCAMM2 memory is compatible with next-gen AI mobile workstations from Lenovo and Dell, with broader adoption forecasted as more laptop manufacturers embrace the standard.

Availability:

Crucial LPCAMM2 memory is available now through select e-tailers, retailers and global channel partners.

About Micron Technology, Inc.

We are an industry leader in innovative memory and storage solutions, transforming how the world uses information to enrich life for all. With a relentless focus on our customers, technology leadership, and manufacturing and operational excellence, Micron delivers a rich portfolio of high-performance DRAM, NAND and NOR memory and storage products through our Micron® and Crucial® brands. Every day, the innovations that our people create

² Based on PCMark 10 digital content creation and productivity workload test results comparing LPDDR5X LPCAMM2 versus DDR5 SODIMM; the digital content creation workload tests performance for photo and video editing, and 3D content creation; the productivity workload measures PC performance for office applications like spreadsheets and writing.

³ When comparing power consumption in a two-channel (2CH) configuration for DDR5 at 5600 MT/s and LPCAMM2 at 7500 MT/s, both operating at their default system speeds. [For more information visit this page.](#)

⁴ Crucial LPCAMM2 products only work with select laptops. PCB compliance subject to final JEDEC specification publication but is functionally equivalent. JEDEC standards are subject to change during and after the development process, including disapproval by the JEDEC board of directors. Please contact your Micron sales representative for details.

fuel the data economy, enabling advances in artificial intelligence (AI) and compute-intensive applications that unleash opportunities — from the data center to the intelligent edge and across the client and mobile user experience. To learn more about Micron Technology, Inc. (Nasdaq: MU), visit micron.com.