HARDWARE TECHNICAL DATASHEET

Enterprise DDR5 & DDR4 High-Performance Memory

Crucial Pro Series Desktop UDIMM, Laptop SODIMM, and Enterprise Workstation ECC Memory.

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DS-SIMAL-MEM-2026	November 2026	Authorized Public	UAE & GCC

Executive Summary

Precision-engineered Micron-die memory modules validated across the latest Intel Core 14th/15th Gen and AMD Ryzen 7000/8000/9000 platforms. Built with low-profile aluminum heat spreaders and dual JEDEC/XMP profiles for instant out-of-the-box overclocking stability.

> **Key Insight:** Crucial DDR5 delivers 1.88× faster transfer speeds and 2× bank capacity compared to previous generation DDR4 memory.

Memory Module Selection Matrix

Form Factor / Type	Speed / Frequency	Voltage & Latency	Platform Compatibility
DDR5 Pro Desktop UDIMM	5600 MHz / 6000 MHz	1.1V / 1.35V · CL46 / CL36	Intel XMP 3.0 & AMD EXPO Supported
DDR5 Laptop SODIMM	4800 MHz / 5600 MHz	1.1V · JEDEC Standard	All modern Intel & AMD business laptops
DDR4 Pro Desktop UDIMM	3200 MHz	1.2V · CL22	Intel 8th-13th Gen & AMD AM4
DDR4 Laptop SODIMM	3200 MHz	1.2V · CL22	Enterprise fleet upgrades

Compliance, Verification & Authorized Channel Support

Crucial Memory is 100% component and module-tested. Covered by a Lifetime Limited Manufacturer Warranty.

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