



kingston.com/design-in-dram-module

Design-In DRAM Modules

Perfect Memory Solutions for System Designers and Builders

Kingston® offers a line of Design-In DRAM modules created specifically for system designers and builders.

Built to JEDEC specifications (industry standard) featuring commercial temperature grade DDR3, DDR3L, DDR4, and DDR5 non-ECC unbuffered DIMM and SODIMM solutions¹.

APPLICATIONS / MARKET SEGMENTS



Point of Sale (POS)



Digital Signage



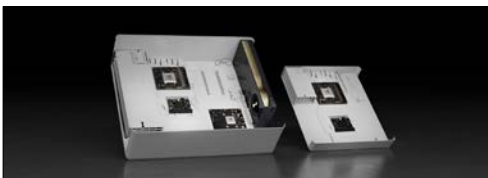
Robotics



Kiosk (Charging Stations, Key Makers, ATM)



Surveillance/Mobile Recording



Industrial Computer



Medical Diagnostic Equipment

KEY BENEFITS

- Controlled BOM – Locked for consistency over product life (DRAM, PCB).
- PCN Support – Product change notifications providing 90-day notice for end of life.
- Engineering Support – Regional engineering support teams for fast response.
- Lifecycle Management – Quarterly forecast-based with 8Q roadmap visibility.
- Failure Analysis – Level 1/2 support.
- Warranty² – Backed by a five-year warranty and free technical support.

INDUSTRIES



Education



Transportation



Finance



ODM/OEM Computer Manufacturing

DESIGN-IN MODULE OPTIONS

Memory Type	Speed (MT/s)	Capacity	DRAM Organization	DRAM Density	Module Rank	Module Type	VLP Option	Hard Gold Option ³		
DDR3 1.5V	1600	4GB	512Mx8	4Gbit	1R	DIMM	Yes	Yes		
		8GB				SODIMM	No			
DDR3L 1.35V	1600	4GB	512Mx8	4Gbit	2R	DIMM	Yes	Yes		
		8GB				SODIMM	No			
DDR4 1.2V	2666	4GB	512Mx16	8Gbit	1R	DIMM	Yes	Yes		
		8GB				1Gx8	SODIMM		No	
		16GB					DIMM		Yes	
		8GB	16x16		SODIMM	No				
		16GB			2R	DIMM	Yes			
		32GB				SODIMM	No			
	3200	8GB	16x16	16Gbit	1R	DIMM	Yes			
		16GB				SODIMM	No			
		32GB				DIMM	Yes			
		8GB	2Gx16		SODIMM	No				
		16GB			2R	DIMM	Yes			
		32GB				SODIMM	No			
DDR5 1.1V	4800	8GB	1Gx16	16Gbit	1R	DIMM	No	Yes		
		16GB				SODIMM			No	
		32GB				DIMM			Yes	
	5200	8GB	2Gx8		16Gbit	2R			SODIMM	No
		16GB							DIMM	Yes
		32GB							SODIMM	No

For more information

Please contact your Kingston representative. This program is currently available in limited regions but will expand gradually.

¹ Excludes life support, surgical, or similar life critical medical equipment (medical monitoring/testing devices ok).

² <https://www.kingston.com/unitedstates/us/company/warranty>

³ Hard Gold PCB (Au 0.76um) available upon request.



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