



[kingston.com/memory](http://kingston.com/memory)

## Design-in DRAM modules

### Perfect memory solutions for system designer 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 solutions<sup>1</sup>.

APPLICATIONS / MARKET SEGMENTS



Point of sale (POS)



Digital signage



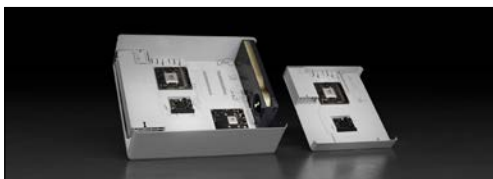
Robotics



Kiosk (charging stations, key makers, ATMS)



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.
- Warranty<sup>2</sup> - 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 organisation	DRAM density	Module rank	Module type	VLP option	Hard gold option <sup>3</sup>
DDR3 1.5V	1600	4GB	512Mx8	4Gbit	1R	DIMM	Yes	Yes
		8GB				SODIMM	No	
DDR3L 1.35V		4GB	512Mx16	8Gbit	2R	DIMM	Yes	
		8GB				SODIMM	No	
DDR4 1.2V	2666	4GB	1Gx8	8Gbit	1R	DIMM	Yes	Yes
		8GB				SODIMM	No	
		16GB	16Gbit		2R	DIMM	Yes	
		8GB				SODIMM	No	
	3200	8GB	1Gx16	16Gbit	1R	DIMM	Yes	
		16GB				SODIMM	No	
		16GB	2Gx16		2R	DIMM	Yes	
		32GB				SODIMM	No	
DDR5 1.1V	4800 5200 5600	8GB	1Gx16	16Gbit	1R	DIMM	No	Yes
		16GB	2Gx8			SODIMM		
		32GB				2R		
			SODIMM					

For more information

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

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

<sup>2</sup> <https://www.kingston.com/unitedkingdom/en/company/warranty>

<sup>3</sup> Hard gold PCB (Au 0.76um) available upon request.



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