



Kingston ValuRAM Solutions—FB-DIMM Server, Desktop, and Flash Memory

From component qualification through quality assurance monitoring, Kingston's ValueRAM solutions inherit Kingston's widely recognized expertise in building high-quality memory modules. Multi-source chip qualification and high volume production result in just-in-time delivery to customers. One hundred percent of Kingston memory products are subjected to rigorous testing processes to insure their reliability, integrity, and compatibility.



Features ▶

- Memory built to JEDEC specifications
- Various form factors
- Full family of Flash memory products
- Intel®-certified memory modules
- Bulk packaging available

Benefits ▶

- One hundred percent testing of all products
- Patented 24-hour burn-in of all ECC-registered memory eliminates 90 percent of early-life failures in servers
- Just-in-time manufacturing model, most parts in 2-3 days
- Kingston is the largest third-party memory manufacturer in the world, with over 28 percent global market share
- Lifetime warranty in the case of product failure

Applications ▶

- Servers
- Networking hardware
- Portable/desktop computers
- Hard disk drive replacement (Flash products)
- Single-board computers

Product Specifications ▶

Type	Part Number	Description	Density	Speed	Databus Width
Intel® validated	KVR333D4R25/1GI	1 GB 333 MHz DDR ECC-registered CL2.5 DIMM dual-rank, x4 Intel® validated	1 GB	333 MHz	NA
	KVR333D4R25/2GI	2 GB 333 MHz DDR ECC-registered CL2.5 DIMM dual-rank, x4 Intel® validated	2 GB	333 MHz	NA
	KVR333S4R25/1GI	1 GB 333 MHz DDR ECC-registered CL2.5 DIMM single-rank, x4 Intel® validated	1 GB	333 MHz	NA
	KVR333S4R25/512I	512 MB 333 MHz DDR ECC-registered CL2.5 DIMM single-rank, x4 Intel® validated	512 MB	400 MHz	NA
	KVR400D2D4R3/2GI	2 GB 400 MHz DDR2 ECC-registered CL3 DIMM dual-rank, x4 Intel® validated	2 GB	400 MHz	NA
	KVR400D2D4R3/4GI	4 GB 400 MHz DDR2 ECC-registered CL3 DIMM dual-rank, x4 Intel® validated	4 GB	400 MHz	NA
	KVR400D2D8R3/2GI	2 GB 400 MHz DDR2 ECC-registered CL3 DIMM dual-rank, x8 Intel® validated	2 GB	400 MHz	NA
	KVR400D2S4R3/1GI	1 GB 400 MHz DDR2 ECC-registered CL3 DIMM single-rank, x4 Intel® validated	1 GB	400 MHz	NA
	KVR400D2S4R3/512I	512 MB DDR2-400 registered x4 single-rank Intel® validated	512 MB	400 MHz	NA
	KVR400D2S8R3/1GI	1 GB 400 MHz DDR2 ECC-registered CL3 DIMM single-rank, x8 Intel® validated	1 GB	400 MHz	NA
	KVR400D2S8R3/512I	512 MB 400 MHz DDR2 ECC-registered CL3 DIMM single-rank, x8 Intel® validated	512 MB	400 MHz	NA
	KVR400D8E3A/1GI	1 GB DDR400 ECC Unb x8 dual-rank Intel® validated	1 GB	400 MHz	NA
	KVR400D8E3A/512I	512 MB DDR400 ECC Unb x8 dual-rank Intel® validated	512 MB	400 MHz	NA
	KVR533D2D4F4/2GI	2 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x4 Intel® validated	2 GB	533 MHz	NA
	KVR533D2D8F4/1GI	1 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x8 Intel® validated	1 GB	533 MHz	NA
	KVR533D2E4/1GI	1 GB 533 MHz DDR2 ECC CL4 DIMM Intel® validated	1 GB	533 MHz	NA
	KVR533D2E4/2GI	2 GB 533 MHz DDR2 ECC CL4 DIMM Intel® validated	1 GB	533 MHz	NA
	KVR533D2E4/512I	512 MB 533 MHz DDR2 ECC CL4 DIMM Intel® validated	512 MB	533 MHz	NA
	KVR533D2S8F4/512I	512 MB 533 MHz DDR2 ECC fully-buffered CL4 DIMM single-rank, x8 Intel® validated	512 MB	533 MHz	NA
	KVR667D2D4F5/2GI	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4 Intel® validated	512 MB	667 MHz	NA
	KVR667D2D4F5/4GI	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4 Intel® validated	4 GB	667 MHz	NA
	KVR667D2D8F5/1GI	1 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x8 Intel® validated	1 GB	667 MHz	NA
	KVR667D2E5/1GI	1 GB 667 MHz DDR2 ECC CL5 DIMM Intel® validated	1 GB	667 MHz	NA
	KVR667D2E5/512I	512 MB 667 MHz DDR2 ECC CL5 DIMM Intel® validated	512 MB	667 MHz	NA
KVR667D2S8F5/512I	512 MB 667 MHz DDR2 ECC fully-buffered CL5 DIMM Intel® validated	512 MB	667 MHz	NA	
ValueRAM memory	KVR133X64SC3/256	256 MB 133 MHz DDR Non-ECC CL3 SO-DIMM	256 MB	133 MHz	NA
	KVR133X72RC3/512	512 MB 133 MHz DDR ECC-registered CL3 DIMM	512 MB	133 MHz	NA
	KVR133X64SC3L/512	512 MB 133 MHz DDR Non-ECC CL3 SO-DIMM	512 MB	133 MHz	NA
	KVR333X64C25/512	512 MB 333 MHz DDR Non-ECC CL2.5 DIMM	512 MB	333 MHz	NA
	KVR333X64SC25/512	512 MB 333 MHz DDR Non-ECC CL2.5 SO-DIMM	512 MB	333 MHz	NA
	KVR333X72C25/512	512 MB 333 MHz DDR ECC-registered CL 2.5 DIMM	512 MB	333 MHz	NA
	KVR400X64SC3A/256	256 MB 400 MHz DDR Non-ECC CL3 SO-DIMM	256 MB	400 MHz	NA
	KVR400X64C3A/512	512 MB 400 MHz DDR Non-ECC CL3 DIMM	512 MB	400 MHz	NA
	KVR400D2D8R3K2/2G	2 GB 400 MHz DDR2 ECC-registered CL3 DIMM (kit of 2) dual-rank, x8	2 GB	400 MHz	NA
	KVR533D2N4/512	512 MB 533 MHz DDR2 Non-ECC CL4 DIMM	512 MB	533 MHz	NA
	KVR533D2S4/512	512 MB 533 MHz DDR2 Non-ECC CL4 SO-DIMM	512 MB	533 MHz	NA
	KVR533D2E4/512	512 MB 533 MHz DDR2 ECC CL4 DIMM	512 MB	533 MHz	NA
	KVR533D2D4R4/2G	2 GB 533 MHz DDR2 ECC-registered CL4 DIMM, dual-rank, x4	2 GB	533 MHz	NA

Kingston ValuRAM Solutions—FB-DIMM Server, Desktop, and Flash Memory—Continued

Product Specifications ▶

Type	Part Number	Description	Density	Speed	Databus Width
FB-DIMMS	KVR533D2D4F4/2G	2 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x4	2 GB	533 MHz	NA
	KVR533D2D4F4/2GI	2 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x4 Intel®	2 GB	533 MHz	NA
	KVR533D2D4F4/4G	4 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x4	4 GB	533 MHz	NA
	KVR533D2D4F4K2/4G	4 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM (kit of 2) dual-rank, x4	4 GB	533 MHz	NA
	KVR533D2D4F4K2/8G	8 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM (kit of 2) dual-rank, x4	8 GB	533 MHz	NA
	KVR533D2D8F4/1G	1 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x8	1 GB	533 MHz	NA
	KVR533D2D8F4/1GI	1 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM dual-rank, x8 Intel®	1 GB	533 MHz	NA
	KVR533D2D8F4K2/2G	2 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM (kit of 2) dual-rank, x8	2 GB	533 MHz	NA
	KVR533D2S8F4/256	256 MB 533 MHz DDR2 ECC fully-buffered CL4 DIMM single-rank, x8	256 MB	533 MHz	NA
	KVR533D2S8F4/512	512 MB 533 MHz DDR2 ECC fully-buffered CL4 DIMM single-rank, x8	512 MB	533 MHz	NA
	KVR533D2S8F4/512I	512 MB 533 MHz DDR2 ECC fully-buffered CL4 DIMM single-rank, x8 Intel®	512 MB	533 MHz	NA
	KVR533D2S8F4K2/1G	1 GB 533 MHz DDR2 ECC fully-buffered CL4 DIMM (kit of 2) single-rank, x8	1 GB	533 MHz	NA
	KVR667D2D4F5/2G	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4	2 GB	667 MHz	NA
	KVR667D2D4F5/2GI	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4 Intel®	2 GB	667 MHz	NA
	KVR667D2D4F5/4G	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4	4 GB	667 MHz	NA
	KVR667D2D4F5/4GI	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x4 Intel®	4 GB	667 MHz	NA
	KVR667D2D4F5K2/4G	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) dual-rank, x4	4 GB	667 MHz	NA
	KVR667D2D4F5K2/8G	8 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) dual-rank, x4	8 GB	667 MHz	NA
	KVR667D2D8F5/1G	1 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x8	1 GB	667 MHz	NA
	KVR667D2D8F5/1GI	1 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x8 Intel®	512 MB	667 MHz	NA
	KVR667D2D8F5/2G	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM dual-rank, x8	2 GB	667 MHz	NA
	KVR667D2D8F5K2/2G	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) dual-rank, x8	2 GB	667 MHz	NA
	KVR667D2D8F5K2/4G	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) dual-rank, x8	4 GB	667 MHz	NA
	KVR667D2S4F5/2G	2 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM single-rank, x4	2 GB	667 MHz	NA
	KVR667D2S4F5K2/4G	4 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) single-rank, x4	4 GB	667 MHz	NA
	KVR667D2S8F5/512	512 MB 667 MHz DDR2 ECC fully-buffered CL5 DIMM single-rank, x8	512 MB	667 MHz	NA
	KVR667D2S8F5/512I	512 MB 667 MHz DDR2 ECC fully-buffered CL5 DIMM Intel® validated	512 MB	667 MHz	NA
	KVR667D2S8F5K2/1G	1 GB 667 MHz DDR2 ECC fully-buffered CL5 DIMM (kit of 2) single-rank, x8	1 GB	667 MHz	NA

Related Information ▶



This part list is by no means exhaustive and represents only a sample of what Kingston has to offer.