



Kingston and Intel – Leaders in Technology

Support

Intel-Tested ValueRAM server modules

In May 2005, Kingston® began shipping a line of ValueRAM® server parts designed and tested specifically for Intel-branded server motherboards and complete systems. What began with just a few parts and server boards has grown into a product line of more than 30 different part numbers supporting over 45 Intel-branded server products. The ValueRAM “I parts” cover everything from DDR1 to DDR3 Registered and Unbuffered memory.

Kingston and Intel

Kingston works closely with Intel Platform and Server groups to develop new memory technologies well before the production platforms are released to the public. This relationship allows us to prototype our memory solutions on pre-production engineering boards to ensure we have a working memory solution at product launch. Kingston’s DDR2 Registered DIMMs, FB DIMMs and DDR3 Registered DIMMs are all examples of how this technical relationship benefits Kingston, Intel and ultimately you, the customer.

The I part process

Once a new Intel server platform is released, Kingston submits production samples to Intel’s authorized memory compatibility testing lab CMTL (Computer Memory Test Labs). At CMTL, the modules are put through rigorous testing with changes in voltage and heat to ensure maximum compatibility with the tested platform. After passing all tests, the “I part” SKU number is created, built, tested and released to the public using the same components as the tested samples. Complete module information is posted to the tested memory list for each server platform at www.intel.com

Multiple Platform Compatibility

Unlike some memory vendors who test on just a few select server platforms, Kingston tests ValueRAM I parts on all currently supported Intel server platforms. CMTL keeps a compatibility ranking list (CRL) showing how many platforms each memory vendor has passed on. Kingston currently has the highest CRL among all participating module vendors. This means if you need an Intel-tested compatible part for your Intel server platform, Kingston will have it. Kingston also submits to AVL for independent lab testing.

Kingston Quality

Along with passing the rigorous Intel compatibility tests, all Kingston ValueRAM I parts are put through our patented server module burn-in process. During burn-in, we write data to the modules at 212 degrees Fahrenheit for 24 hours. The goal of this process is to screen out any possible early life DRAM failures before we go to production module testing. A 4GB server module has over 34 billion memory cells onboard. If one of those cells is bad, we fail the module. Kingston’s patented server module burn-in process helps us screen out any possible bad cells and deliver a high-quality module to our customers the first time and every time.

Service and Support

In addition to 24/7 tech support from Kingston, all Kingston ValueRAM I parts are also eligible for full support from Intel’s technical support groups.

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SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME							
DDR3 1066 ECC Unbuffered	S5500UR Urbana	S5500BC Bluff Creek	S5500WB Willowbrook	S5520HC Hanlan Creek	S5520HCV Hanlan Creek	S5520SC Shady Cove	SR1600UR SR1625UR	SR2600UR SR2625UR
KVR1066D3E7S/2GI	pass	pass	pass	pass	pass	pass	pass	pass
KVR1066D3E7SK2/4GI	pass	pass	pass	pass	pass	pass	pass	pass
KVR1066D3E7SK3/6GI	pass	pass	pass	pass	pass	pass	pass	pass

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME							
DDR3 1066 Registered	S5500UR Urbana	S5500BC Bluff Creek	S5500WB Willowbrook	S5520HC Hanlan Creek	S5520HCV Hanlan Creek	S5520SC Shady Cove	SR1600UR SR1625UR	SR2600UR SR2625UR
KVR1066D3S8R7S/1GI	pass	n/a*	n/a*	n/a*	n/a*	n/a*	pass	pass
KVR1066D3S8R7SK2/2GI	pass	n/a*	n/a*	n/a*	n/a*	n/a*	pass	pass
KVR1066D3S8R7SK3/3GI	pass	n/a*	n/a*	n/a*	n/a*	n/a*	pass	pass
KVR1066D3S4R7S/2GI	pass	pass	pass	pass	pass	pass	pass	pass
KVR1066D3S4R7SK2/4GI	pass	pass	pass	pass	pass	pass	pass	pass
KVR1066D3S4R7SK3/6GI	pass	pass	pass	pass	pass	pass	pass	pass

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME											
FBDIMMS	S5000PAL Alcolu	S5000PSL Star Lake	S5000XVN Vernonia	S5000VSA Sapello	S5000VCL Callahan	SC5400RA Ravenell	SBXD132	S5000PHB Harbison	S7000FC4UR Foxcove	MFS5000SI Sauvie Island	S5400SF Shoffner	
KVR533D2S8F4/512I	pass	pass	pass	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	
KVR533D2D8F4/1GI	pass	pass	pass	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	
KVR533D2D4F4/2GI	pass	pass	pass	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	
KVR667D2S8F5/512I	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
KVR667D2D8F5/1GI	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
KVR667D2D4F5/2GI	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
KVR667D2D8F5/2GI	pass	pass	pass	pass	pass	pass	pass	n/a*	pass	pass	pass	
KVR667D2D4F5/4GI	pass	pass	pass	n/a*	pass	pass	pass	pass	pass	pass	pass	
KVR667D2D4F5/8GI	pending	pending	pending	n/a*	n/a*	n/a*	n/a*	n/a*	pass	n/a*	pass	
KVR800D2S8F5/512I	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	pass	
KVR800D2D8F5/1GI	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	pass	
KVR800D2D4F5/2GI	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	pass	
KVR800D2D8F5/2GI	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	pass	
KVR800D2D4F5/4GI	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	pass	

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME								
DDR2 ECC Unbuffered	SE7221BK1-E Buckner	SE7221BA1-E Bartman	SE7230NH1-E Nob Hill	SE7230CA1-E Caretta	S3000AH Aspen Hill	S3000PT Port Townsend	SE3200H Snow Hill	X38ML Melstone	
KVR533D2E4/512I	pass	pass	pass	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	
KVR533D2E4/1GI	pass	pass	pass	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	
KVR533D2E4/2GI	pass	pass	pass	pass	pass	pass	667 DIMM only	667 DIMM only	
KVR667D2E5/512I	533 DIMM only	533 DIMM only	pass	pass	pass	pass	n/a*	n/a*	
KVR667D2E5/1GI	533 DIMM only	533 DIMM only	pass	pass	pass	pass	pass	pass	
KVR667D2E5/2GI	533 DIMM only	533 DIMM only	pass	pass	pass	pass	pass	pass	
KVR800D2E5/1GI	533 DIMM only	533 DIMM only	533/667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	pass	pass	
KVR800D2E5/2GI	533 DIMM only	533 DIMM only	533/667 DIMM only	667 DIMM only	667 DIMM only	667 DIMM only	pass	pass	

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME						
DDR2 400 Registered	SE7520AF2 Alief	SE7520JR2-2 Jarrell-2	SE7520BB2D2 Baker Bay	SE7520B2D2 Brandon 2	SR4850HW4 /SR685 Harwich	MPCBL0030 Thermopolis	SR4850HW4/M-SR6 Harwich 800T
KVR400D2S8R3/512I	pass	pass	pass	pass	pass	n/a*	pass
KVR400D2S4R3/1GI	pass	pass	pass	pass	pass	pass	pass
KVR400D2S8R3/1GI	pass	pass	pass	pass	pass	n/a*	n/a*
KVR400D2D4R3/2GI	pass	pass	pass	pass	pass	pass	pass
KVR400D2D8R3/2GI	pass	pass	pass	pass	pass	n/a*	pass
KVR400D2D4R3/4GI	n/a*	pass	pass	pass	pass	n/a*	pass

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME				
DDR 333 Registered	SE7520BD2 Brandon	SE7320VP2 Volcano Peak	SE7501WV2 Westville 2	SR870B2 Tiger 2 Way Intanium	SR870BN4 Tiger 4 Way Intanium
KVR333S4R2S/512I	pass	pass	pass	pass	pass
KVR333D4R2S/1GI	pass	pass	pass	pass	n/a*
KVR333S4R2S/512I	pass	pass	n/a*	n/a*	n/a*
KVR333D4R2S/2GI	pass	pass	pass	pass	pass

SERVER PLATFORMS	INTEL MOTHERBOARD PART NUMBER & CODENAME
DDR2 667 Registered	SR9000MK4U Markette
KVR667D2S4P5/1GI	pass
KVR667D2D4P5/2GI	pass
KVR667D2D4P5/4GI	pass

* Module configuration is not supported by system board.

Visit valueram.com for product information and support for your system.

For more information, contact your ValueRAM sales representative at (877) 435-8726 or an authorized distributor in your area.

