

RAMMon v1.0 Build: 1013 built with SysInfo v1.0 Build: 1063
PassMark (R) Software - www.passmark.com

Memory Summary For KENT-I5

Number of Memory Devices: 2 Total Physical Memory: 8156 MB (8192 MB)

Total Available Physical Memory: 5210 MB

Memory Load: 36%

Item	Slot #1	Slot #2	Slot #3	Slot #4
Ram Type	DDR3	DDR3	Not Populated	Not Populated
Maximum Clock Speed (MHz)	666.67 (JEDEC)	666.67 (JEDEC)		
Maximum Transfer Speed (MHz)	DDR3-1333	DDR3-1333		
Maximum Bandwidth (MB/s)	PC3-10600	PC3-10600		
Memory Capacity (MB)	4096	4096		
Jedec Manufacture Name	G Skill Intl	G Skill Intl		
Search Amazon.com	Search!	Search!		
SPD Revision	1.0	1.0		
Registered	No	No		
ECC	No	No		
DIMM Slot #	1	2		
Manufactured				
Module Part #	F3-10666CL9-4GBRL	F3-10666CL9-4GBRL		
Module Revision	0x0	0x0		
Module Serial #	0x0	0x0		
Module Manufacturing Location	0	0		
# of Row Addressing Bits	15	15		
# of Column Addressing Bits	10	10		
# of Banks	8	8		
# of Ranks	2	2		
Device Width in Bits	8	8		
Bus Width in Bits	64	64		
Module Voltage	1.5V	1.5V		
CAS Latencies Supported	6 7 8 9	6 7 8 9		
Timings @ Max Frequency (JEDEC)	9-9-9-24	9-9-9-24		
Maximum frequency (MHz)	666.67	666.67		
Maximum Transfer Speed (MHz)	DDR3-1333	DDR3-1333		
Maximum Bandwidth (MB/s)	PC3-10600	PC3-10600		
Minimum Clock Cycle Time, tCK (ns)	1.500	1.500		

Minimum CAS Latency Time, tAA (ns)	13.125	13.125
Minimum RAS to CAS Delay, tRCD (ns)	13.125	13.125
Minimum Row Precharge Time, tRP (ns)	13.125	13.125
Minimum Active to Precharge Time, tRAS (ns)	36.000	36.000
Minimum Row Active to Row Active Delay, tRRD (ns)	6.000	6.000
Minimum Auto-Refresh to Active/Auto-Refresh Time, tRC (ns)	49.125	49.125
Minimum Auto-Refresh to Active/Auto-Refresh Command Period, tRFC (ns)	160.000	160.000
DDR3 Specific SPD Attributes		
Write Recovery Time, tWR (ns)	15.000	15.000
Internal Write to Read Command Delay, tWTR (ns)	7.500	7.500
Internal Read to Precharge Command Delay, tRTP (ns)	7.500	7.500
Minimum Four Activate Window Delay, tFAW (ns)	30.000	30.000
RZQ / 6 Supported	Yes	Yes
RZQ / 7 Supported	Yes	Yes
DLL-Off Mode Supported	Yes	Yes
Maximum Operating Temperature Range (C)	0-95	0-95
Refresh Rate at Extended Operating Temperature Range	2X	2X
Auto-self Refresh Supported	Yes	Yes
On-die Thermal Sensor Readout Supported	No	No
Partial Array Self Refresh Supported	No	No
Thermal Sensor Present	No	No
Non-standard SDRAM Type	Standard	Standard
	Monolithic	Monolithic
Module Type	UDIMM	UDIMM
Module Height (mm)	30	30
Module Thickness (front), (mm)	2	2
Module Thickness (back), (mm)	2	2
Module Width (mm)	133.5	133.5
Reference Raw Card Used	Raw Card B Rev. 0	Raw Card B Rev. 0

DRAM Manufacture ID	1229	1229
# of DRAM Rows	0	0
# of Registers	0	0
Register Manufacturer		
Register Type		
Register Revision	0	0