




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for KINGSTON KHX1600C9AD3B1K2-4G. You'll find the answers to all your questions on the KINGSTON KHX1600C9AD3B1K2-4G in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

- [User manual KINGSTON KHX1600C9AD3B1K2-4G](#)
- [User guide KINGSTON KHX1600C9AD3B1K2-4G](#)
- [Operating instructions KINGSTON KHX1600C9AD3B1K2-4G](#)
- [Instructions for use KINGSTON KHX1600C9AD3B1K2-4G](#)
- [Instruction manual KINGSTON KHX1600C9AD3B1K2-4G](#)



Memory Module Specification

KHX1600C9AD3B1K2/4G
4GB (2GB 256M x 64-Bit x 2 pcs.) DDR3-1600MHz
CL9 240-Pin DIMM Kit

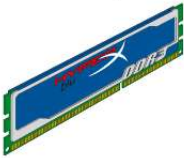
DESCRIPTION:
 Kingston's KHX1600C9AD3B1K2/4G is a kit of two 256M x 64-bit 2GB (2048MB) DDR3-1600MHz CL9 SDRAM (Synchronous DRAM) memory modules, based on sixteen 128M x 8-bit DDR3 FBGA components per module. Total kit capacity is 4GB. Each module kit has been tested to run at DDR3-1600MHz at a low latency timing of 9-9-9-27 at 1.65V. The SPDs are programmed to JEDEC standard latency DDR3-1333MHz timing of 9-9-9 at 1.5V. Each 240-pin DIMM uses gold contact fingers and requires +1.5V. The JEDEC standard electrical and mechanical specifications are as follows:

FEATURES:

- JEDEC standard 1.5V ± 0.075V Power Supply
- VDDQ = 1.5V ± 0.075V
- 667MHz JCK for 1333MHz/pc/pin
- 8 independent internal bank
- Programmable CAS Latency: 5,6,7,8,9,10
- Posted CAS
- Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- Programmable CAS Write Latency (CW1) = 7 (DDR3-1333)
- 8-bit pre-etch
- Burst Length: 8 (Interleave without any limit, sequential with starting address '000', 4 with tCCD = 4 which does not allow seamless read or write [either on the fly using A12 or MRS])
- Bi-directional Differential Data Strobe
- Internal/self calibration - Internal self calibration through ZQ pin (RZQ : 240 ohm ± 1%)
- On Die Termination using ODT pin
- Average Refresh Period 7.8us at lower than TCASE 85°C, 3.9us at 85°C < TCASE, -95°C
- Asynchronous Reset
- PCB : Height 1.180" (30.00mm), double sided component

PERFORMANCE:

<input checked="" type="checkbox"/> CL9BDY	9 cycles
<input checked="" type="checkbox"/> Row Cycle Time (tRCmin)	49.5ns (min.)
<input checked="" type="checkbox"/> Refresh to Active/Refresh Command Time (tRFCmin)	110ns
<input checked="" type="checkbox"/> Row Active Time (tRASmin)	36ns (min.)
<input checked="" type="checkbox"/> Power	1.800 W (operating per module)
<input checked="" type="checkbox"/> UL Rating	94 V-0
<input checked="" type="checkbox"/> Operating Temperature	0°C to 85°C
<input checked="" type="checkbox"/> Storage Temperature	-55°C to +100°C



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Manual abstract:

) DDR3-1600MHz CL9 240-Pin DIMM Kit DESCRIPTION: Kingston's KHX1600C9AD3B1K2/4G is a kit of two 256M x 64-bit 2GB (2048MB) DDR3-1600MHz CL9 SDRAM (Synchronous DRAM) memory modules, based on sixteen 128M x 8-bit DDR3 FBGA components per module. Total kit capacity is 4GB. Each module kit has been tested to run at DDR3-1600MHz at a low latency timing of 9-9-9-27 at 1.65V. @@Each 240-pin DIMM uses gold contact fingers and requires +1.5V. @@@@4805798-001.A00 54.70 Page 2.



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