



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for KINGSTON KHX6400D2K22G. You'll find the answers to all your questions on the KINGSTON KHX6400D2K22G in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KINGSTON KHX6400D2K22G  
User guide KINGSTON KHX6400D2K22G  
Operating instructions KINGSTON KHX6400D2K22G  
Instructions for use KINGSTON KHX6400D2K22G  
Instruction manual KINGSTON KHX6400D2K22G



**Kingston** MEMORY CORPORATION  
*Memory Module Specification*

**KHX6400D2K2/2G**  
2GB (1GB 128M x 64-Bit x 2 pcs.)  
PC2-6400 CL5 240-Pin DIMM Kit

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**ATI**  
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**DESCRIPTION:**  
Kingston's KHX6400D2K2/2G is a kit of two 128M x 64-bit 1GB (1024MB) DDR2-800 CL5 SDRAM (Synchronous DRAM) memory modules, based on sixteen 64M x 8-bit DDR2 FBGA components per module. Total kit capacity is 2GB (2048MB). Each module pair has been tested to run at DDR2 800MHz at low latency timing of 5-5-5-15 at 2.0V. The SPD is programmed to JEDEC standard latency 667Mhz timing of 5-5-5-15 at 1.8V. Each 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

**FEATURES:**

- Power supply : Vdd: 1.8V ± 0.1V, Vddq: 1.8V ± 0.1V
- Double-data-rate architecture; two data transfers per clock cycle
- Bidirectional data strobe (DQS)
- Differential clock inputs (CK and CK)
- DLL aligns DQ and DQS transition with CK transition
- Programmable Read latency 5 (clock)
- Burst Length: 4, 8 (Interleave/flexible sequential)
- Programmable Burst type (sequential & interleave)
- Timing Reference: 5-5-5-15 at +1.8V / 5-5-5-15 at +2.0V
- Edge aligned data output, center aligned data input
- Auto & Self refresh, 7.8us refresh interval (8K/64ms refresh)
- Serial presence detect with EEPROM
- High Performance Heat Spreader
- PCB : Height 1.180" (30.00mm), double sided component

**PERFORMANCE:**

✓ Clock Cycle Time (tCK) CL=5	3ns (min.) / 8ns (max.)
✓ Row Cycle Time (tRC)	51ns (min.)
✓ Refresh to Active/Refresh Command Time (tRFC)	105ns
✓ Row Active Time (tRAS)	39ns (min.) / 70,000ns (max.)
✓ Single Power Supply of	+1.8V (+/- .1V)
✓ Power	1.922 W (operating per module)
✓ UL Rating	94 V - 0
✓ Operating Temperature	0°C to 55°C
✓ Storage Temperature	-55°C to +125°C



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*Manual abstract:*

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