

## Kingston PC6400 800MHz 4GB DDR2 Desktop Memory

Enjoy higher data bandwidths, lower power consumption, and enhanced thermal performance from this compact and highly integrated device that has everything necessary to back up your daily computing schedule. DDR2 is the next-generation evolution of DDR memory technology. DDR2 memory features faster speeds, higher data bandwidths, lower power consumption and enhanced thermal performance. In 2004, DDR2 was launched on desktops, servers, notebooks, telecommunications / networking and other platforms.

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### Specifications

• Memory Type:	Dual Channel DDR2
• Memory Size:	2 x 2048MB
• Memory Speed:	800MHz PC6400
• Memory CAS Latency:	5
• Pins:	240

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### Detailed Features

#### What's New with DDR2

DDR2 memory was developed by JEDEC, the memory industry's standards organization of which Kingston is a member company. DDR2 memory chips and modules use a naming convention similar to that used for the current DDR memory modules, but are not backward compatible due to incompatible module connections (number of pins), voltage and DRAM technology. DDR2 memory modules have a different key or notch than the same-sized DDR modules to prevent their insertion into an incompatible memory socket.

DDR2 memory chips will be available in Fine-pitch BGA (FBGA) chip packages for improved electrical and thermal characteristics. In addition, DDR2 memory chips will incorporate On-Die Termination (ODT) to minimize memory signal reflections at high speeds, thereby improving timing margins. DDR2 memory chips will come in capacities up to 4 Gigabits, allowing for higher-capacity modules