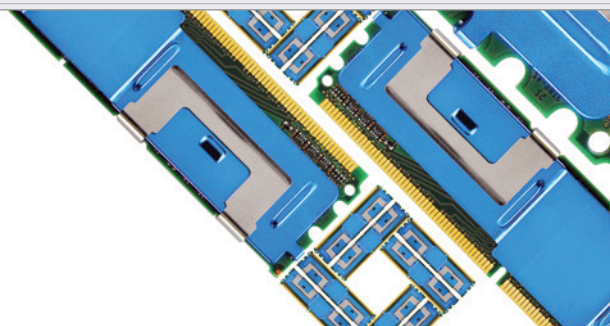


# DDR2 Energy-Efficient Memory

*Our innovative FBDIMMs use less power without compromising performance or reliability.*



## What can be done to tackle the rising energy costs related to your company's data centers?

Crucial's energy-efficient server memory uses half the number of components as traditional memory, while offering the same performance and memory capacity. By adopting it, you can maximize energy savings, enhance thermal performance, reduce memory power consumption—and subsequently decrease overall costs.

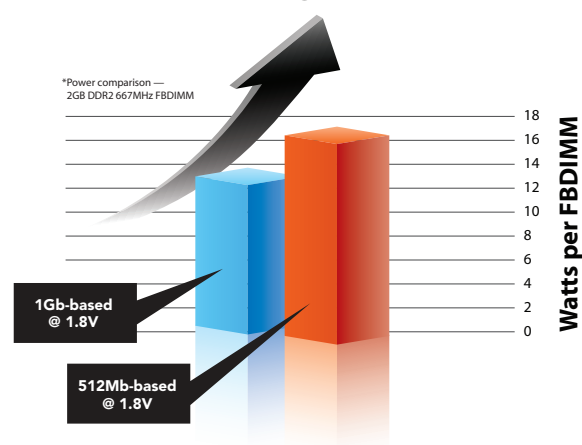
Our savvy energy-efficient server product line features 1Gb-based components to produce our Reduced Chip Count (RCC) DDR2 FBDIMMs. That means your organization will enjoy the benefits of improved performance while lowering power consumption.

Available in 2GB, 4GB, 8GB and 16GB kit capacities, Crucial energy-efficient DDR2 FBDIMM memory will lead your organization to energy savings and server performance.

## Crucial's low power memory options save power

How can memory consume less power? By using higher density components, 1Gb instead of 512Mb, Crucial is able to produce module that have less overall chips than traditional modules. A Reduced Chip Count (RCC) ultimately leads to a lower overall power consumption.

## Power savings up to 22%\*



### Benefits:

- Up to a 22% reduction in memory power consumption
- Reduced cooling costs
- No compromises in performance
- 100% tested modules and components
- Motherboard & system certification

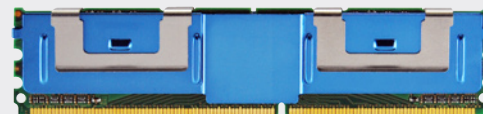
## Reduce power usage and improve system performance!

Energy efficient DIMMs equals less power consumption (Example: At an energy cost of \$.10 per KW/h a data center with 512GB of installed memory could save up to \$2,000 per year in energy costs by using EE-FBDIMMs).

## Save a kilowatt of power in a fully configured rack!

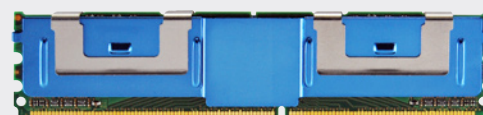
- Low power DIMMs and standard memory DIMMs CAN be mixed within the same platform within a system.
- Low power DIMMs and standard memory DIMMs CANNOT be mixed within a bank.
- No performance increase or decrease when the DIMM count and capacity remain the same.

## Crucial DDR2 Fully Buffered DIMM Kits



TYPE	MODULE KIT DENSITY	CRUCIAL PART NUMBER	SPEED	LATENCY	COMPONENT	WIDTH	RANKS	
FBDIMM	2 GB (2x1GB)	CT2KIT12872AF667	667 Mbps	PC2-5300	5-5-5	128Mx8	x72	1
FBDIMM	4 GB (2x2GB)	CT2KIT25672AF667	667 Mbps	PC2-5300	5-5-5	128Mx8	x72	2
FBDIMM	8 GB (2x4GB)	CT2KIT51272AF667	667 Mbps	PC2-5300	5-5-5	256Mx4	x72	2
FBDIMM	16 GB (2x8GB)	CT2KIT102472AF667	667 Mbps	PC2-5300	5-5-5	1Gx4	x72	2
FBDIMM	2 GB (2x1GB)	CT2KIT12872AF80E	800 Mbps	PC2-6400	5-5-5	128Mx8	x72	1
FBDIMM	4 GB (2x2GB)	CT2KIT25672AF80E	800 Mbps	PC2-6400	5-5-5	128Mx8	x72	2
FBDIMM	8 GB (2x4GB)	CT2KIT51272AF80E	800 Mbps	PC2-6400	5-5-5	256Mx4	x72	2

## Crucial DDR2 Fully Buffered DIMMs



TYPE	MODULE DENSITY	CRUCIAL PART NUMBER	SPEED	LATENCY	COMPONENT	WIDTH	RANKS	
FBDIMM	1 GB	CT12872AF667	667 Mbps	PC2-5300	5-5-5	128Mx8	x72	1
FBDIMM	2 GB	CT25672AF667	667 Mbps	PC2-5300	5-5-5	128Mx8	x72	2
FBDIMM	4 GB	CT51272AF667	667 Mbps	PC2-5300	5-5-5	256Mx4	x72	2
FBDIMM	8 GB	CT102472AF667	667 Mbps	PC2-5300	5-5-5	1Gx4	x72	2
FBDIMM	1 GB	CT12872AF80E	800 Mbps	PC2-6400	5-5-5	128Mx8	x72	1
FBDIMM	2 GB	CT25672AF80E	800 Mbps	PC2-6400	5-5-5	128Mx8	x72	2
FBDIMM	4 GB	CT51272AF80E	800 Mbps	PC2-6400	5-5-5	256Mx4	x72	2

## Crucial DDR2 Module Part Number System

