



16GB DDR3 PC3-12800 Registered ECC 1.35V 2048Meg x 72

CT16G3ERSLD4160B



- **Brand:** Crucial
- **Form Factor:** RDIMM
- **Capacity:** 16GB
- **Warranty:** Limited Lifetime
- **Specs:** DDR3 PC3-12800 • CL=11 • Dual Ranked • x4 based • Registered • ECC • DDR3-1600 • 1.35V • 2048Meg x 72 •
- **Series:** Crucial

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product information

Product Specifications

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Form Factor	RDIMM
Capacity	16GB
Warranty	Limited Lifetime
Specs	DDR3 PC3-12800 • CL=11 • Dual Ranked • x4 based • Registered • ECC • DDR3-1600 • 1.35V • 2048Meg x 72 •
Series	Crucial
ECC	ECC
Kit Qty	1
Speed	1600 MT/S
Tracer	False
Voltage	1.35V
DIMM Type	Registered
Component Configuration	x4 based

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DDR3 240-pin DIMM

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Crucial 240-pin DIMMs are used in DDR3 memory for desktop computers. DDR3 is the latest generation of memory with an improved architecture that allows it to transmit data more quickly.

A dual inline memory module (DIMM) consists of a number of memory components (usually black) that are attached to a printed circuit board (usually green). The gold pins on the bottom of the DIMM provide a connection between the module and a socket on a larger printed circuit board. The pins on the front and back of a DIMM are not connected to each other.

Each 240-pin DIMM provides a 64-bit data path (72-bit for ECC or registered or Fully Buffered modules). (The Ballistix™ and Ballistix Tracer™ high-performance memory do not come in 72-bit or registered modules.)

To use DDR3 memory, your system motherboard must have 240-pin DIMM slots and a DDR3-enabled chipset. This is because a DDR3 SDRAM DIMM will not fit into a standard DDR2 DIMM socket or a DDR DIMM socket.

The number of black components on a 240-pin DIMM can vary, but it always has 120 pins on the front and 120 pins on the back, for a total of 240. 240-pin DIMMs are approximately 5.25 inches long and 1.18 inches high, though the heights can vary. While 240-pin DDR3 DIMMS, 240-pin DDR2 DIMMs, 184-pin DDR DIMMs, and 168-pin DIMMs are approximately the same size, 240-pin DIMMs and 184-pin DIMMs have only one notch within the row of pins.

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