240 PIN DDR3 UDIMM
512Mx64 DDR3 SDRAM DIMM based on 256x8, 8Banks,
8K Refresh, 1.5V Synchronous DRAMs with SPD

MEM128004GBD-DR

Description

The Hypertec OEM 4GB DDR3 UDIMM 256x8 memory module is organised as 512 Meg x 64 bits in a 240 pin memory module. The 4GB memory module uses 16 pieces 256M x 8 DDR3 SDRAMs. The x64 modules are ideal for use in high performance computer systems where increased memory density and fast access are required. The SPD is programmed to JEDEC standard latency and timing at 1.5V, this UDIMM uses gold edge contacts.

Features

- Programmable CAS Latency: 11, 9, 7
- 240-pin, unbuffered dual in-line memory module (UDIMM)
- Fast data transfer rates: PC3 - 12800, PC3 - 10600, PC3 - 8500
- 4GB (512 Meg x 64)
- VDD = VDDQ = +1.5V ± 0.75V
- VDDSPD = +3.0V to +3.6V
- Reset pin for improved system stability
- Nominal and dynamic on-die termination (ODT) for data, strobe and mask signals
- Dual rank
- Fixed burst length (BL) of 8 and burst chop (BC) of 4 via the mode register
- 8 internal device banks for concurrent operation
- Serial presence-detect (SPD) EEPROM and adjustable data-ouput drive strength
- Gold edge contacts
- Lead-free and ROHS compliant
- Lifetime warranty

PLEASE NOTE: The Hypertec OEM module defined in this specification is one of several configurations available under this part number. All configurations are compatible, however, the DRAM combination and/or memory module height may vary.