

288 PIN DDR4 UDIMM

1 Gig x64 DDR4 SDRAM DIMM based on 512x8, 8Banks,
8K Refresh, 1.2V Synchronous DRAMs with SPD

Description

The Hypertec Hyperam 8GB DDR4 UDIMM 512x8 memory module is organised as 1 Gig x 64 bits in a 288 pin memory module. The 8GB memory module uses 16 pieces 512M x 8 DDR4 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 1.2V, this UDIMM uses gold edge contacts.

Features

- Programmable CAS Latency: 15, 17
- 288-pin, unbuffered dual in-line memory module (UDIMM)
- Fast data transfer rates: PC4 - 2400, PC4-2133
- 8GB (1 Gig x 64)
- VDD = VDDQ = 1.2V (1.14V to 1.26V)
- VDDSPD = 2.25V to 2.75V
- Low power auto self refresh (LPASR)
- Nominal and dynamic on-die termination (ODT) for data, strobe and mask signals
- Data bus inversion (DBI) for data bus
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the mode register (MRS)
- On-die V REFDQ generation and calibration
- On-board serial presence-detect (SPD) EEPROM
- 16 internal banks: 4 groups of 4 banks each
- Selectable BC4 or BL8 on-the-fly (OTF)
- Gold edge contacts
- Halogen-free
- Terminated control, command and address bus
- Lifetime Warranty

PLEASE NOTE: The Hypertec Hyperam 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.