

288 PIN DDR4 UDIMM

512Mx64 DDR4 SDRAM DIMM based on 512x8, 8Banks,
8K Refresh, 1.2V Synchronous DRAMs with SPD

Description

The Hypertec Hyperam 4GB DDR4 UDIMM 512x8 memory module is organised as 512 Meg x 64 bits in a 288 pin memory module. The 4GB memory module uses 8 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: PC2 - 6400, PC2 - 5300, PC2 - 4200
- 4GB (512 Meg x 64)
- $VDD = VDDQ = +1.8V \pm 0.1V$
- $VDDSPD = +3.0V$ to $+3.6V$
- Auto refresh (CBR) and self refresh supported
- Nominal and dynamic on-die termination (ODT) for data, strobe and mask signals
- Single rank
- Programmable burst length (BL) 4 / 8 with both sequential and interleave mode
- 8192 refresh cycles / 64ms with adjustable data-output drive strength
- Serial presence-detect (SPD) EEPROM
- Gold edge contacts
- Lead-free and ROHS compliant
- 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.