

## 260 PIN DDR4 SODIMM

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

### Description

The Hypertec Hyperam 8GB DDR4 SODIMM 512x8 memory module is organised as 1 Gig x 64 bits in a 260 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 SODIMM uses gold edge contacts.

### Features

- Programmable CAS Latency: 15, 17
- 260-pin, Unbuffered Small Outline Double Data Rate Synchronous DRAM In-Line Memory Module (SODIMM)
- Fast data transfer rates: PC4 - 2133, PC4 - 2400
- 8GB (512 Meg x 64)
- VDD = VDDQ = 1.2V (1.14V to 1.26V)
- VDDSPD = 2.25V to 3.6V
- 16 internal banks
- Bi-Directional Differential Data Strobe
- 8 bit pre-fetch
- Burst length (BL) switch on-the-fly BL8 or BC4 (Burst Chop)
- On-Die Termination (ODT)
- Temperature sensor with integrated SPD
- Per DRAM Addressability is supported
- Internal Vref DQ level generation is available
- 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.