

### **HYEU424008002**

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



#### DESCRIPTION

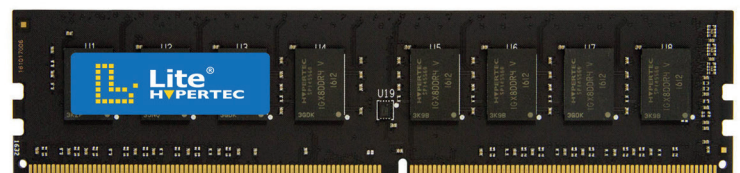
The HypertecLite® 8GB DDR4 UDIMM 512x8 memory module is organised as 1 Gig x 64 bits in a 288 pin memory module. The 8GB memory module uses 16 pieces 512M x 8 DDR4 SDRAMs. The x64 modules are ideal for use in high performance computer systems where increased memory density and fast access are required. The SPD is programmed to JEDEC standard latency and timing at 1.2V, this UDIMM uses gold edge contacts.

#### FEATURES

- 288-pin, Unbuffered dual-in-line memory module (UDIMM),
- Reset pin for improved system stability
- Burst length (BL) switch on-the-fly BL8 or BC4 (Burst Chop)
- Dual Rank
- 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
- Low power auto self refresh (LPASR)

#### SPECIFICATIONS

<b>Programmable CAS Latency</b>	17
<b>Fast Data Transfer Rates</b>	PC4 - 2400
<b>Capacity</b>	8GB (1 Gig x64)
<b>VDD = VDDQ</b>	1.2V
<b>VDDSPD</b>	2.25V to 2.75V
<b>Banks</b>	16 internal banks
<b>Operating Temperature</b>	0°C to 85°C
<b>Storage Temperature</b>	-55°C to =100°C



**PLEASE NOTE:** The Hypertec 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.

