Memory Module Specifications

HX430C15PB3K8/128
128GB (16GB 2G x 64-Bit x 8 pcs.)
DDR4-3000 CL15 288-Pin DIMM

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL(IDD)</td>
<td>17 cycles</td>
</tr>
<tr>
<td>Row Cycle Time (tRCmin)</td>
<td>45.75ns(min.)</td>
</tr>
<tr>
<td>Refresh to Active/Refresh Command Time (tRFCmin)</td>
<td>350ns(min.)</td>
</tr>
<tr>
<td>Row Active Time (tRASmin)</td>
<td>32ns(min.)</td>
</tr>
<tr>
<td>Maximum Operating Power</td>
<td>TBD W*</td>
</tr>
<tr>
<td>UL Rating</td>
<td>94 V - 0</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0° C to +85° C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-55° C to +100° C</td>
</tr>
</tbody>
</table>

*Power will vary depending on the SDRAM used.

DESCRIPTION

HyperX HX430C15PB3K8/128 is a kit of eight 2G x 64-bit (16GB) DDR4-3000 CL15 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 1G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Total kit capacity is 128GB. Each module has been tested to run at DDR4-3000 at a low latency timing of 15-17-17 at 1.35V. The SPDs are programmed to JEDEC standard latency DDR4-2400 timing of 17-17-17 at 1.2V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

XMP TIMING PARAMETERS

- JEDEC: DDR4-2400 CL17-17-17 @1.2V
- XMP Profile #1: DDR4-3000 CL15-17-17 @1.35V
- XMP Profile #2: DDR4-2666 CL15-17-17 @1.35V

FEATURES

- Power Supply: VDD = 1.2V Typical
- VDDQ = 1.2V Typical
- VPP = 2.5V Typical
- VDDSPD = 2.25V to 3.6V
- On-Die termination (ODT)
- 16 internal banks; 4 groups of 4 banks each
- Bi-Directional Differential Data Strobe
- 8 bit pre-fetch
- Burst Length (BL) switch on-the-fly BL8 or BC4(Burst Chop)
- Height 1.661” (42.20mm)
**HyperX**

**MODULE WITH HEAT SPREADER**

- Dimensions:
  - Width: 42.2 mm
  - Height: 133.35 mm
  - Depth: 8.3 mm

**MODULE DIMENSIONS**

- All measurements are in millimeters.

  (Tolerances on all dimensions are ±0.12 unless otherwise specified)

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For more information, go to [www.kingston.com/hyperx](http://www.kingston.com/hyperx)

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