DESCRIPTION
HyperX HX429S17IB2K2/16 is a kit of two 1G x 64-bit (8GB) DDR4-2933 CL17 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 1G x 8-bit DDR4 FBGA components. Each module supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Total capacity is 16GB. This module has been tested to run at DDR4-2933 at a low latency timing of 17-19-19 at 1.2V. Additional timing parameters are shown in the PnP Timing Parameters section below. The JEDEC standard electrical and mechanical specifications are as follows:

Note: The PnP feature offers a range of speed and timing options to support the widest variety of processors and chipsets. Your maximum speed will be determined by your BIOS.

PnP JEDEC TIMING PARAMETERS:

• JEDEC/PnP: DDR4-2933 CL17-19-19 @1.2V
• XMP Profile #1: DDR4-2933 CL17-19-19 @1.2V
• XMP Profile #2: DDR4-2666 CL16-18-18 @1.2V

FEATURES
• Power Supply: VDD = 1.2V Typical
• VDDQ = 1.2V Typical
• VPP = 2.5V Typical
• VDDSPD = 2.2V 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 1.18” (30.00mm)

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>
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<tr>
<td>Refresh to Active/Refresh Command Time (tRFCmin)</td>
<td>350ns (min.)</td>
</tr>
<tr>
<td>Row Active Time (tRASmin)</td>
<td>26.55ns (min.)</td>
</tr>
<tr>
<td>Maximum Operating Power</td>
<td>TBD W*</td>
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<tr>
<td>UL Rating</td>
<td>94 V - 0</td>
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<tr>
<td>Operating Temperature</td>
<td>0°C to 85°C</td>
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<tr>
<td>Storage Temperature</td>
<td>-55°C to +100°C</td>
</tr>
</tbody>
</table>

*Power will vary depending on the SDRAM used.
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 HYPERXGAMING.COM

All Kingston products are tested to meet our published specifications. Some motherboards or system configurations may not operate at the published HyperX memory speeds and timing settings. Kingston does not recommend that any user attempt to run their computers faster than the published speed. Overclocking or modifying your system timing may result in damage to computer components.