

HX428C14SBK2/16

16GB (8GB 1G x 64-Bit x 2 pcs.)
DDR4-2800 CL14 288-Pin DIMM Kit

**DESCRIPTION**

HyperX HX428C14SBK2/16 is a kit of two 1G x 64-bit (8GB) DDR4-2800 CL14 SDRAM (Synchronous DRAM) 2Rx8, memory modules, based on sixteen 512M x 8-bit FBGA components per module. Total kit capacity is 16GB. Each module supports Intel® XMP (Extreme Memory Profiles). Each module has been tested to run at DDR4-2800 at a low latency timing of 14-15-15 at 1.35V. The SPDs are programmed to JEDEC standard latency DDR4-2133 timing of 15-15-15 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: DDR4-2133 CL15-15-15 @1.2V
- XMP Profile #1: DDR4-2800 CL14-15-15 @1.35V
- XMP Profile #2: DDR4-2666 CL14-14-14 @1.35V

SPECIFICATIONS

CL(IDD)	15 cycles
Row Cycle Time (tRCmin)	46.5ns (min.)
Refresh to Active/Refresh Command Time (tRFCmin)	260ns (min.)
Row Active Time (tRASmin)	33ns (min.)
Maximum Operating Power	TBD W*
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

*Power will vary depending on the SDRAM used.

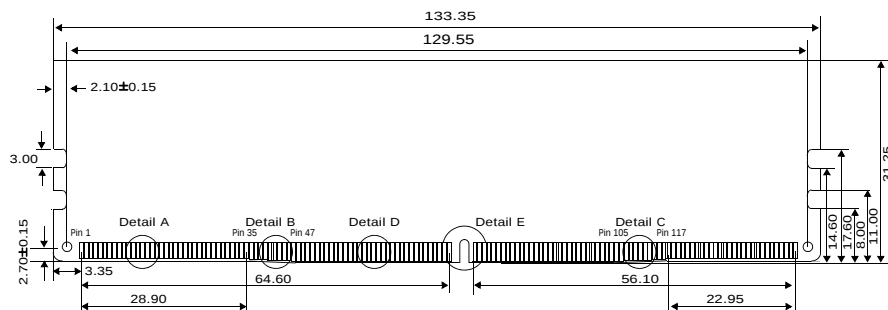
FEATURES

- 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 1.36" (34.57mm)

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Technical drawing of the HyperX Savage DDR4 memory module. The top view shows a length of 133.35 mm and a height of 34.57 mm. The module features the HyperX logo and the text "SAVAGE DDR4". The side view shows a width of 7.90 mm. The module has a black PCB with a silver heat spreader and a gold-plated edge connector.

The top diagram shows a 24-pin DIMM with a notch on the left side. The pins are numbered 1 through 24. The notch is located between pins 12 and 13. The pins are arranged in two rows of 12 pins each. The bottom diagram shows a 24-pin DIMM with a notch on the right side. The pins are numbered 1 through 24. The notch is located between pins 12 and 13. The pins are arranged in two rows of 12 pins each.



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.