



HYPERX HX433C16PB3K2/32 RAM Memory User Guide

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HYPERX HX433C16PB3K2/32 RAM Memory



DESCRIPTION

HyperX HX433C16PB3K2/32 is a kit of two 2G x 64-bit (16GB) DDR4-3333 CL16 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 32GB. Each module has been tested to run at DDR4-3333 at a low latency timing of 16-18-18 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: DDR4-3333 CL16-18-18 @1.35V
- XMP Profile #2: DDR4-3000 CL15-17-17 @1.35V

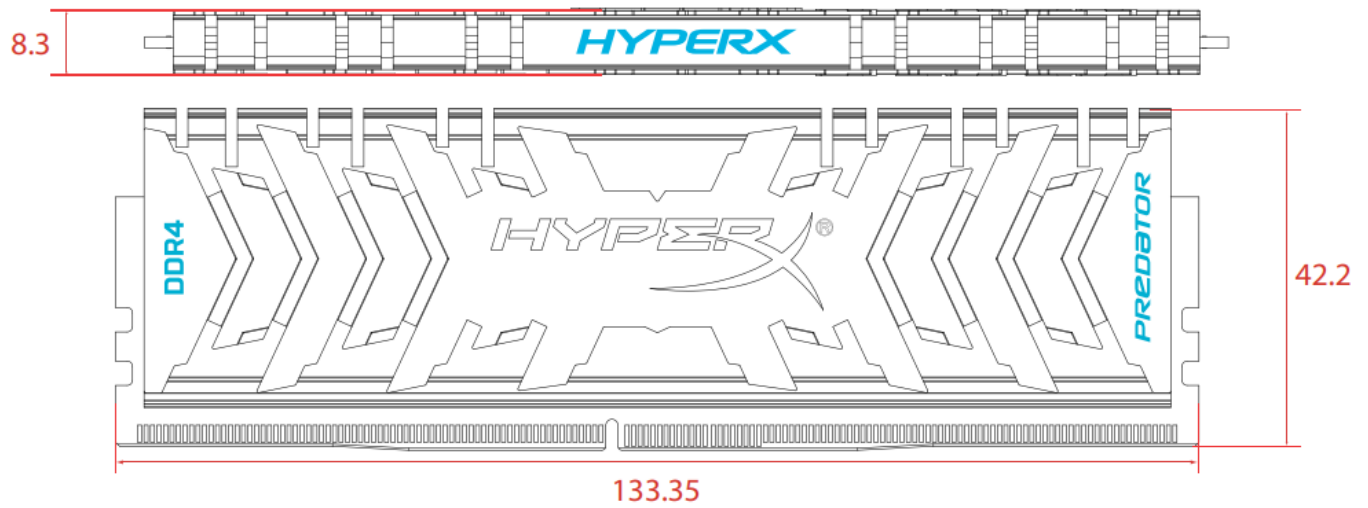
SPECIFICATIONS

- CL(IDD) 17 cycles
- Row Cycle Time (tRCmin) 45.75ns(min.)
- Refresh to Active/Refresh Command Time (tRFCmin) 350ns(min.)
- Row Active Time (tRASmin) 32ns(min.)
- Maximum Operating Power TBD W*
- UL Rating 94 V – 0
- Operating Temperature 0o C to +85o C
- Storage Temperature -55o C to +100o C

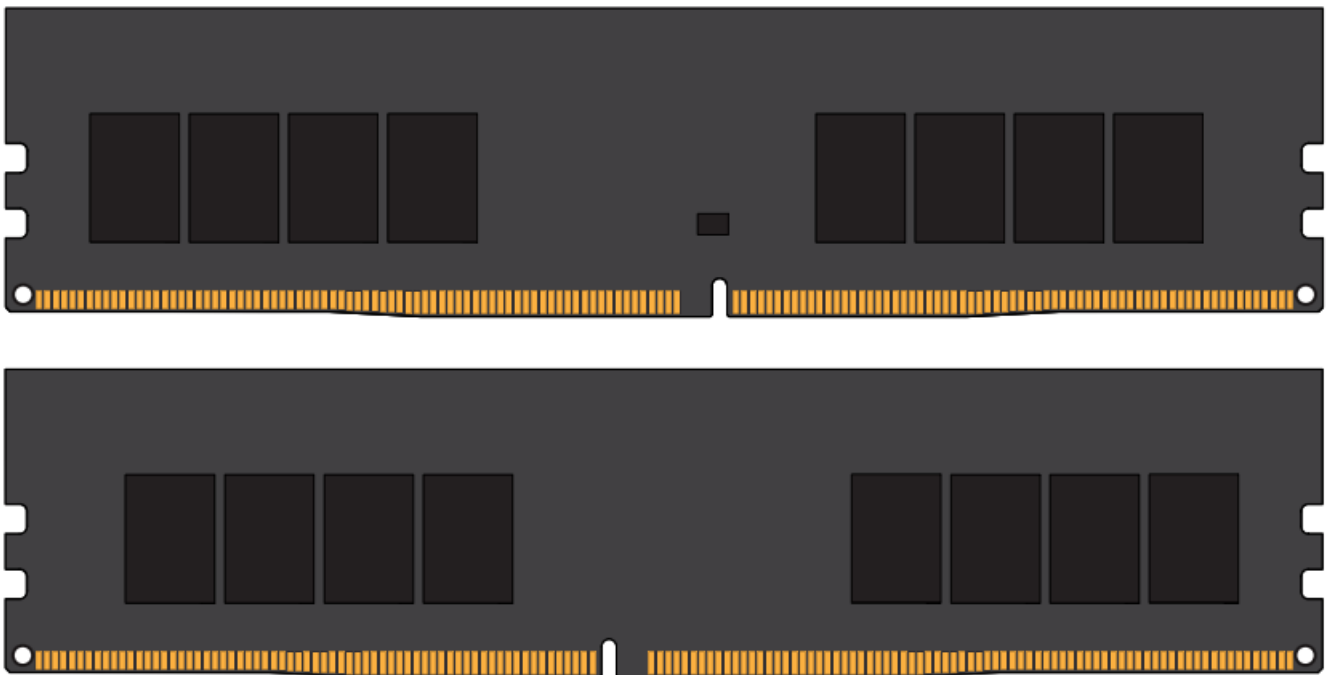
FEATURES

- 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 1.661" (42.20mm)

MODULE WITH HEAT SPREADER

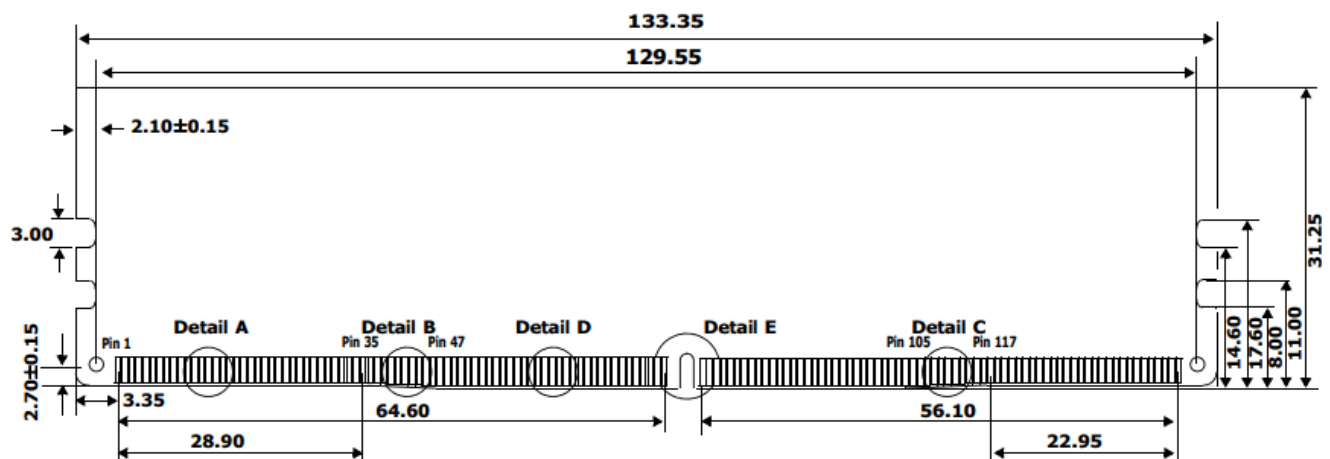


MODULE DIMENSIONS



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.HYPERXGAMING.COM



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Documents / Resources

	<p>HYPERX HX433C16PB3K2/32 RAM Memory [pdf] User Guide HX433C16PB3K2 32 RAM Memory, HX433C16PB3K2 32, RAM Memory</p>
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References

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