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HYPERX HX430C15FB3K2/32 RAM Memory User Guide

Contents

HYPERX HX430C15FB3K2/32 RAM Memory

DESCRIPTION

HyperX HX430C15FB3K2/32 is a kit of two 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 32GB. 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:

FACTORY TIMING PARAMETERS

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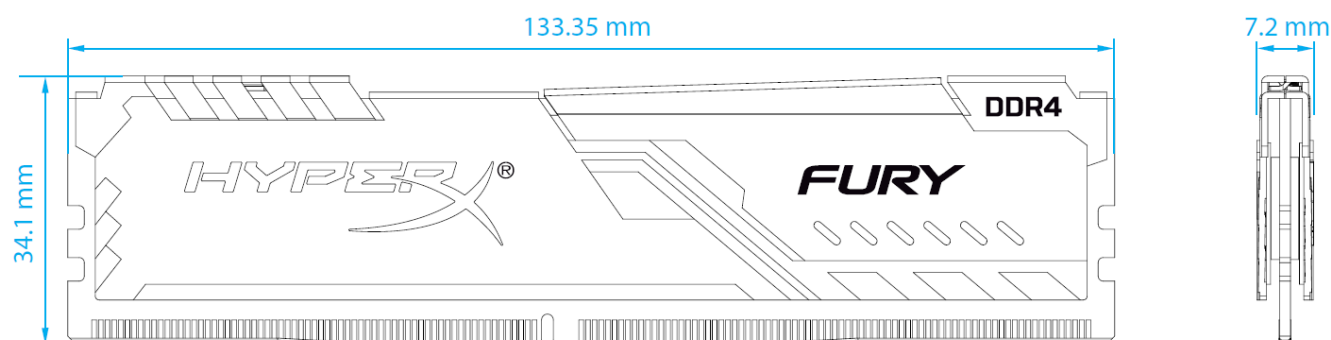- XMP Profile #2: DDR4-2666 CL15-17-17 @1.35V

SPECIFICATIONS

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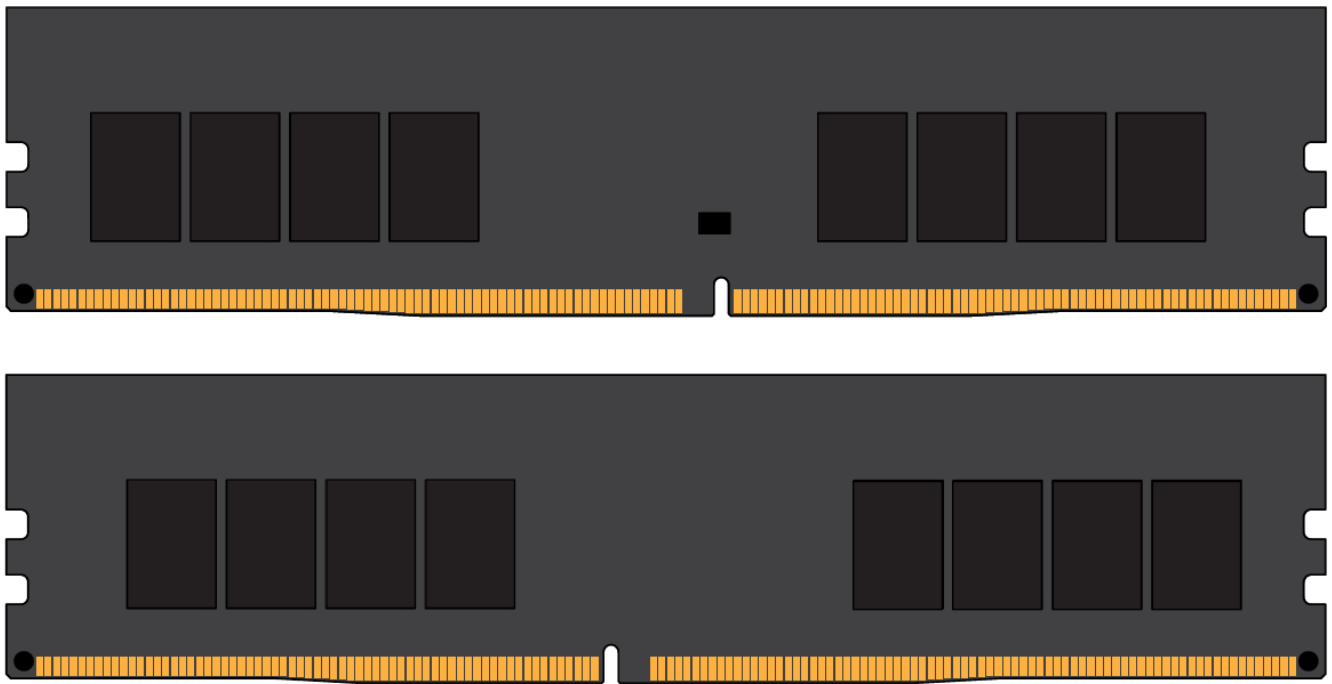- **Storage Temperature**   -55o C to +100o C

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)
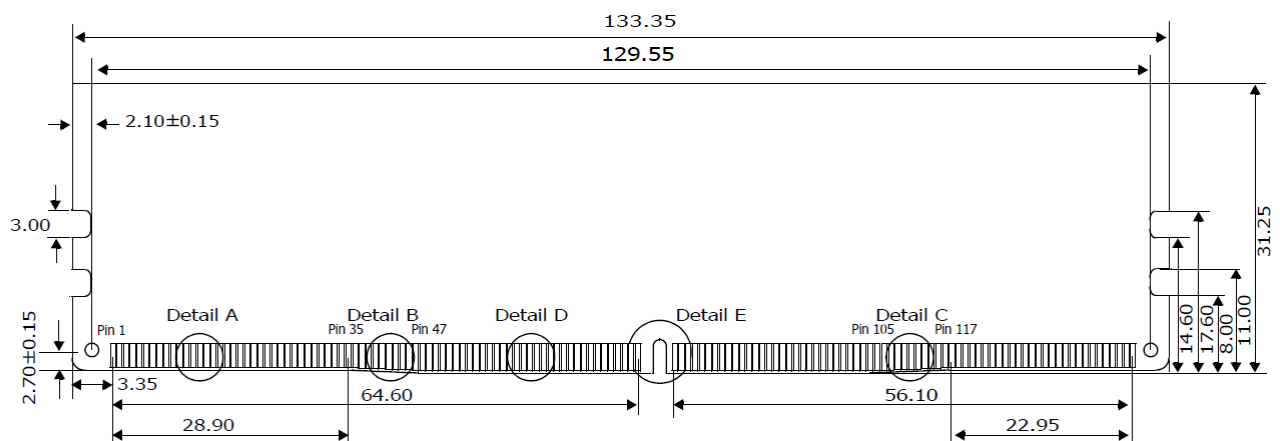- Height 1.3425" (34.1mm), w/heatsink

MODULE WITH HEAT SPREADER

MODULE DIMENSIONS

All measurements are in millimeters.
(Tolerances on all dimensions are ±0.12 unless otherwise specified)

133.35
129.55
2.10±0.15
3.00
31.25
2.70±0.15
14.60
17.60
8.00
11.00
Pin 1   Detail A   Detail B   Detail D   Detail E   Detail C
Pin 35   Pin 47   Pin 105   Pin 117
3.35
64.60
56.10
28.90
22.95

The product images shown are for illustration purposes only and may not be an exact representation of the product. Kingston reserves the right to change any information at anytime without notice.

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 HyperX is a division of Kingston.

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Documents / Resources

HYPERX HX430C15FB3K2/32 RAM Memory [pdf] User Guide
HX430C15FB3K2 32 RAM Memory, HX430C15FB3K2 32, RAM Memory

References

- 🌐 **HyperX | High Quality Gaming Gear**
- 🧧 **HyperX | High Quality Gaming Gear**

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