



HYPERX HX430C15FB3AK2/16 RAM Memory User Guide

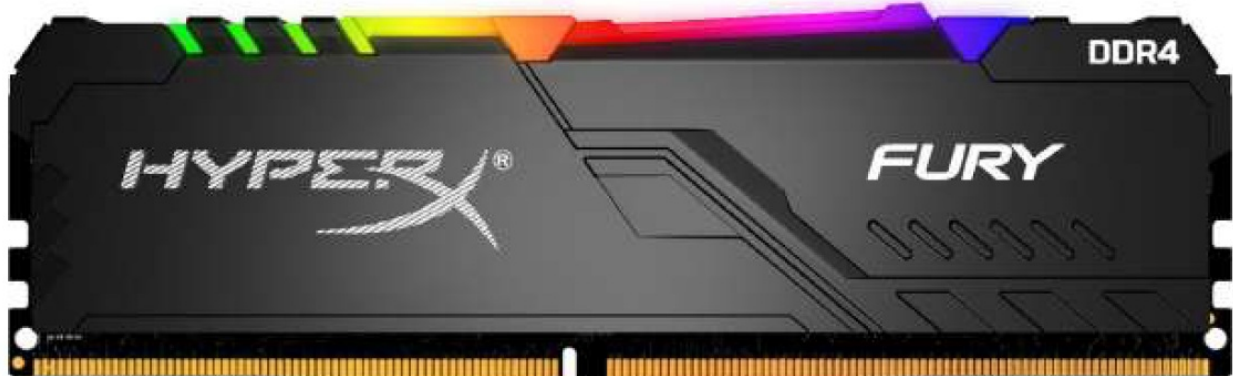
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HYPERX HX430C15FB3AK2/16 RAM Memory



DESCRIPTION

HyperX HX430C15FB3AK2/16 is a kit of two 1G x 64-bit (8GB) DDR4-3000 CL15 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 1G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Total kit capacity is 16GB. 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 Command Time (tRFCmin)** 350ns(min.)
- **Row Active Time (tRASmin)** 32ns(min.)
- **UL Rating** 94 V – 0
- **Operating Temperature** 0o C to +70o C
- **Storage Temperature** -40o C to +85o 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 1.624" (41.24mm), w/heatsink

MODULE WITH HEAT SPREADER


configurations may not operate at the published HyperX memory speeds and timing settings. Kingston the published HyperX memory speeds and timing settings. Kingston does not recommend that any user attempt to run their computer does not recommend that any user attempt to run their computers s faster than the published speed. Overclocking or modifying your system timing may result in damage to computer components .faster than the published speed. Overclocking or modifying your system timing may result in damage to computer components.

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Documents / Resources



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HX430C15FB3AK2 16 RAM Memory, HX430C15FB3AK2 16, RAM Memory

References

- 🌐 [HyperX | High Quality Gaming Gear](#)
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