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HYPERX HX426C16FB3/32 32GB 4G x 64-Bit RAM Memory User Guide

Contents

HYPERX HX426C16FB3/32 32GB 4G x 64-Bit RAM Memory

DESCRIPTION

HyperX HX426C16FB3/32 is a 4G x 64-bit (32GB) DDR4-2666 CL16 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 2G x 8-bit FBGA components per module. Each module supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Each module has been tested to run at DDR4-2666 at a low latency timing of 16-18-18 at 1.2V. Additional timing parameters are shown in the Plug-N-Play (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.

FACTORY TIMING PARAMETERS

- Default (Plug N Play): DDR4-2666 CL16-18-18 @1.2V
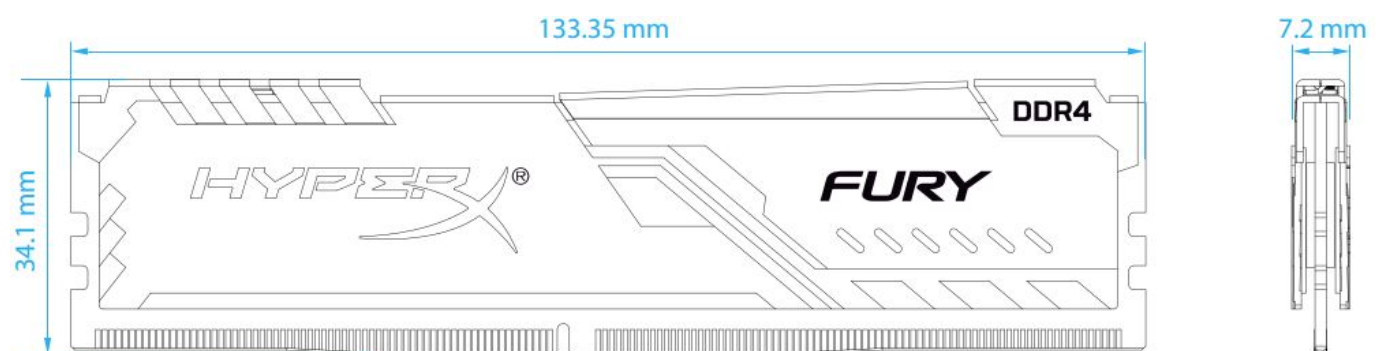- XMP Profile #1: DDR4-2666 CL16-18-18 @1.2V

SPECIFICATIONS

- CL(IDD) : 16 cycles
- Row Cycle Time (tRCmin) : 45ns(min.)
- Refresh to Active/Refresh : 350ns(min.)
- Command Time (tRFCmin)
- Row Active Time (tRASmin) : 27ns(min.)
- UL Rating : 94 V – 0
- Operating Temperature : 0o C to +85o C
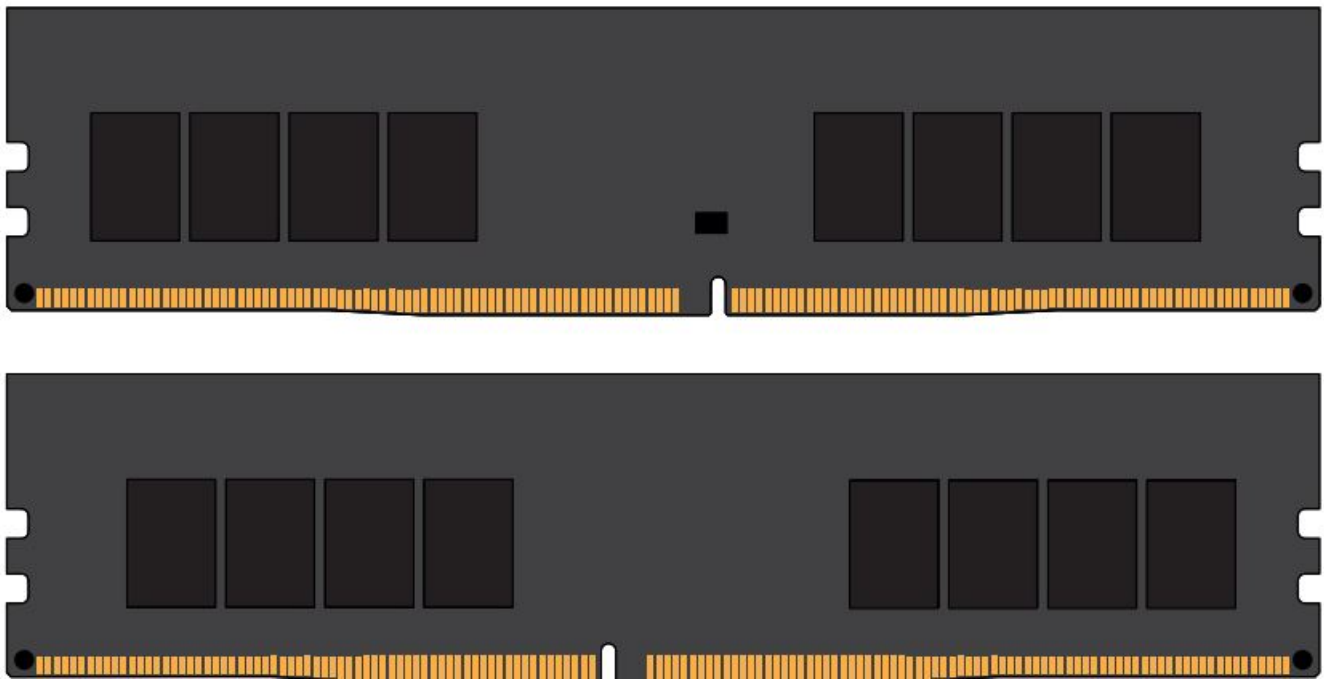- Storage Temperature : -55o C to +100o C

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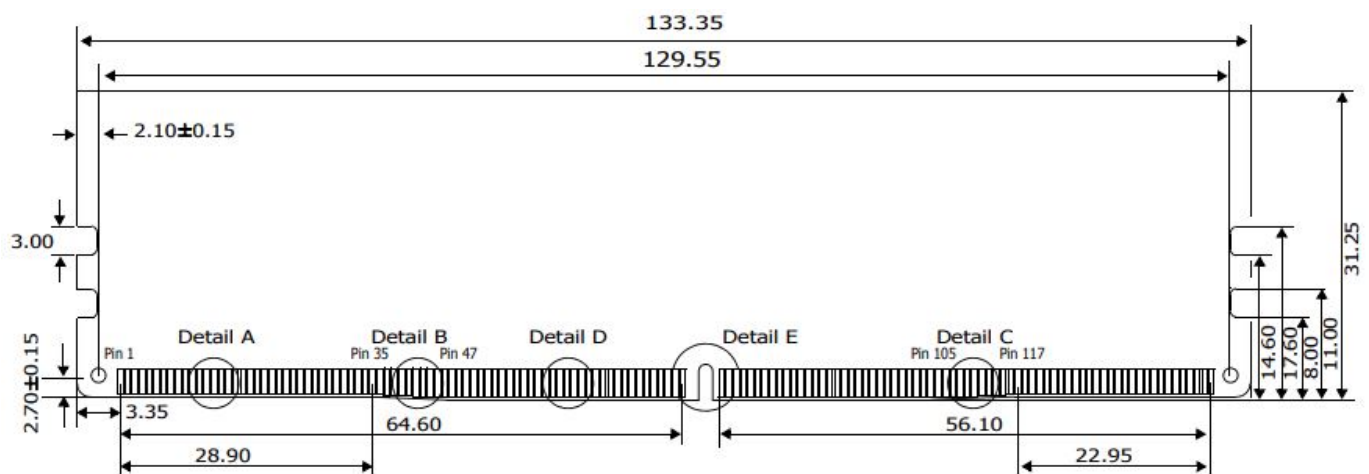- Height 1.3425" (34.1mm), w/heatsink

MODULE WITH HEAT SPREADER

MODULE DIMENSIONS

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

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FOR MORE INFORMATION, GO TO HYPERXGAMING.COM

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Documents / Resources

 HYPERX HX426C16FB3/32 32GB 4G x 64-Bit RAM Memory [pdf] User Guide
HX426C16FB3 32 32GB 4G x 64-Bit RAM Memory, HX426C16FB3 32, 32GB 4G x 64-Bit RAM Memory, RAM Memory

References

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

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