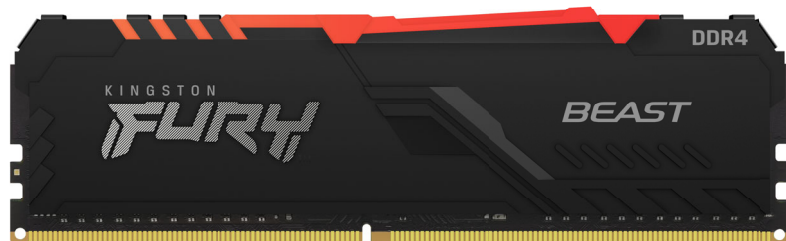


KF432C16BBA/32

32GB 4G x 64-Bit

DDR4-3200 CL16 288-Pin DIMM



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	0° C to +70° C
Storage Temperature	-40° C to +85° C

DESCRIPTION

FURY KF432C16BBA/32 is a 4G x 64-bit (32GB) DDR4-3200 CL16 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 2G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Each module has been tested to run at DDR4-3200 at a low latency timing of 16-20-20 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:

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 1.62" (41.2mm), w/heatsink

FACTORY TIMING PARAMETERS

- | | |
|--------------------|------------------------------|
| • Default (JEDEC): | DDR4-2400 CL17-17-17 @ 1.2V |
| • XMP Profile #1: | DDR4-3200 CL16-20-20 @ 1.35V |
| • XMP Profile #2: | DDR4-3000 CL16-19-19 @ 1.35V |

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Technical drawing of the Kingston Fury Beast DDR4 memory module. The drawing shows the top and side views of the module. The top view is a rectangle with a width of 133.35 mm and a height of 41.2 mm. The side view shows a height of 7.2 mm. The module features the Kingston logo, the word "FURY" in a stylized font, and the word "BEAST" in a bold, italicized font. The text "DDR4" is also visible. The module has a series of gold-plated pins along the bottom edge.

The image contains two identical diagrams of a 16-bit bus system. Each diagram shows a horizontal bar representing the bus, divided into two sections. The left section is labeled 'Data' and contains four dark gray rectangular blocks, each representing a 4-bit data bus. The right section is labeled 'Address' and contains four dark gray rectangular blocks, each representing a 4-bit address bus. Below the bus bar, there is a yellow bar with vertical lines, representing a 16-bit bus. The top diagram has a small black square on the left side of the yellow bar, and the bottom diagram has a small black square on the right side of the yellow bar.

Technical drawing of a bridge deck cross-section. The drawing shows a horizontal section with various dimensions and details. The total width is 133.35. The width of the deck top is 129.55. The height of the deck top is 2.10 ± 0.15. The height of the deck bottom is 3.00. The height of the deck bottom is 2.70 ± 0.15. The drawing includes details A, B, C, D, and E. The dimensions for the details are: Detail A (28.90), Detail B (64.60), Detail C (56.10), and Detail D (22.95). The dimensions for the deck top are: 3.35, 14.60, 17.60, 8.00, and 11.00. The drawing also shows the positions of pins 1, 35, 47, 105, and 117.

All Kingston products are tested to meet our published specifications. Some motherboards or system configurations may not operate at the published FURY 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.