

# KF432C16BB12A/16

16GB 2G 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.)
Davy A ative Time ((DA Casia)	
Row Active Time (tRASmin)	32ns(min.)
UL Rating	32ns(min.) 94 V - 0
/	. ,
UL Rating	94 V - 0

## DESCRIPTION

Kingston FURY KF432C16BB12A/16 is a 2G x 64-bit (16GB) DDR4-3200 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. Each module has been tested to run at DDR4-3200 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:

### **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 1.69" (43mm), w/heatsink

## FACTORY TIMING PARAMETERS

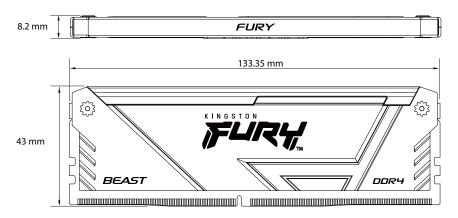
- Default (JEDEC): DDR4-2400 CL17-17-17 @ 1.2V
- XMP Profile #1: DDR4-3200 CL16-18-18 @ 1.35V
- XMP Profile #2: DDR4-3000 CL15-17-17 @ 1.35V



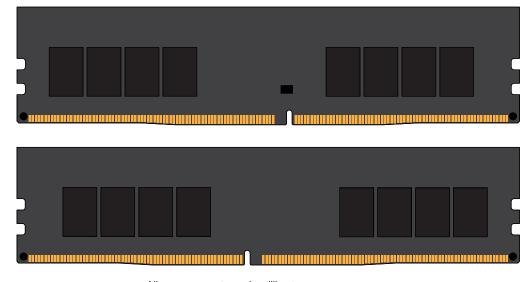
Rev. A Document No. 4810994A 07/21/23 Page 1



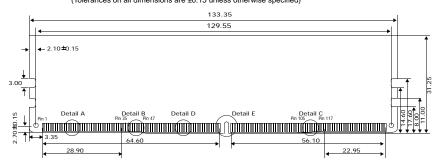
#### MODULE WITH HEAT SPREADER



## MODULE DIMENSIONS



#### All measurements are in millimeters. (Tolerances on all dimensions are ±0.15 unless otherwise specified)



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 KINGSTON.COM

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

©2023 Kingston Technology Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved. Kingston FURY and the Kingston FURY logo are trademarks of Kingston Technology Corporation. All trademarks are the property of their respective owners.

Rev. A Document No. 4810994A

No. 4810994A Page 2

kingston.com



#### https://tm.by Интернет-магазин



Revision No.	History	Release Date	Remark	Editor	Approved	
А	Initial Release	07/21/23		David Y.	Alex S.	
*Products and specifications discussed herein are for evaluation and reference purposes only and are subject to change						
without notice. All information discussed herein is provided on an "as is" basis, without warranties of any kind.						

©2023 Kingston Technology Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved. Kingston FURY and the Kingston FURY logo are trademarks of Kingston Technology Corporation. All trademarks are the property of their respective owners.

Rev. A Do

