# **Memory Module Specifications**



## KF432C16BBK2/16

16GB (8GB 1G x 64-Bit x 2 pcs.)
DDR4-3200 CL16 288-Pin DIMM Kit



### **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.)
Row Active Time (tRASmin)  UL Rating	32ns(min.) 94 V - 0
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#### **DESCRIPTION**

FURY KF432C16BBK2/16 is a kit of two 1G x 64-bit (8GB) DDR4-3200 CL16 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 DDR4-3200 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 1.34" (34mm), w/heatsink

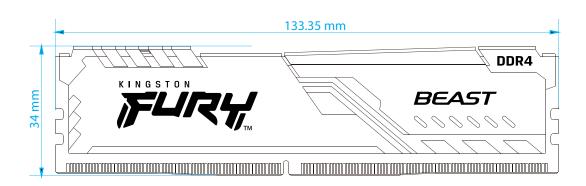
#### **FACTORY TIMING PARAMETERS**

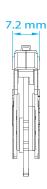
Default (JEDEC): DDR4-2400 CL17-17-17 @ 1.2V
 XMP Profile #1: DDR4-3200 CL16-18-18 @ 1.35V
 XMP Profile #2: DDR4-3000 CL15-17-17 @ 1.35V

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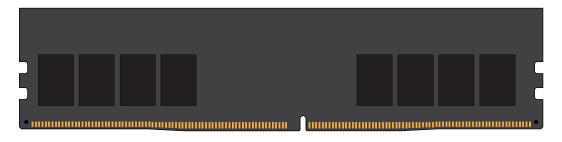


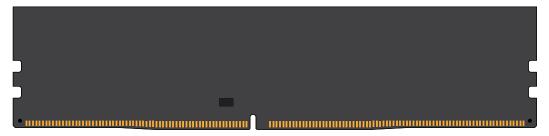
## **MODULE WITH HEAT SPREADER**





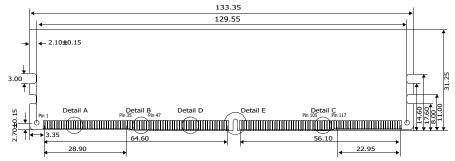
#### **MODULE DIMENSIONS**





## All measurements are in millimeters.

(Tolerances on all dimensions are ±0.12 unless otherwise specified)



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