# **Memory Module Specifications**



## KF432C16BBA/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.)
Row Active Time (tRASmin)	32ns(min.)
Row Active Time (tRASmin)  UL Rating	32ns(min.) 94 V - 0
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UL Rating	94 V - 0

#### **DESCRIPTION**

FURY KF432C16BBA/16 is a 2G x 64-bit (16GB) DDR4-3200 CL16 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 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**

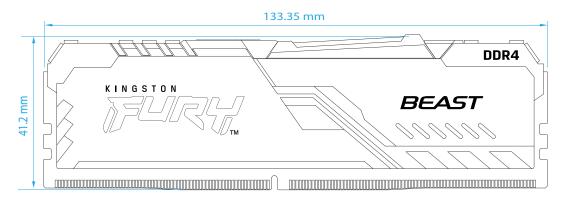
Default (JEDEC): DDR4-2400 CL17-17-17 @ 1.2V
 XMP Profile #1: DDR4-3200 CL16-20-20 @ 1.35V
 XMP Profile #2: DDR4-3000 CL16-19-19 @ 1.35V

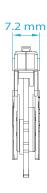
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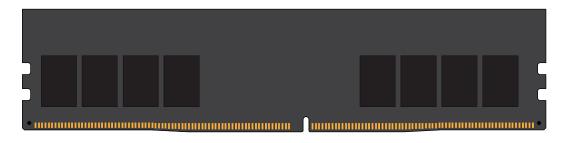


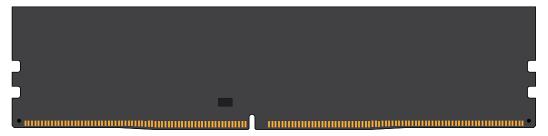
#### **MODULE WITH HEAT SPREADER**



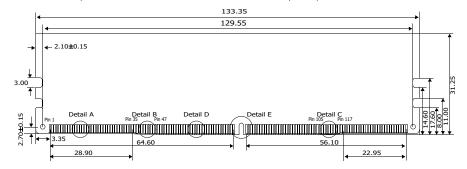


### **MODULE DIMENSIONS**





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



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