HX432C18FR/16

16GB 2G x 64-Bit
DDR4-3200 CL18 288-Pin DIMM

SPECIFICATIONS

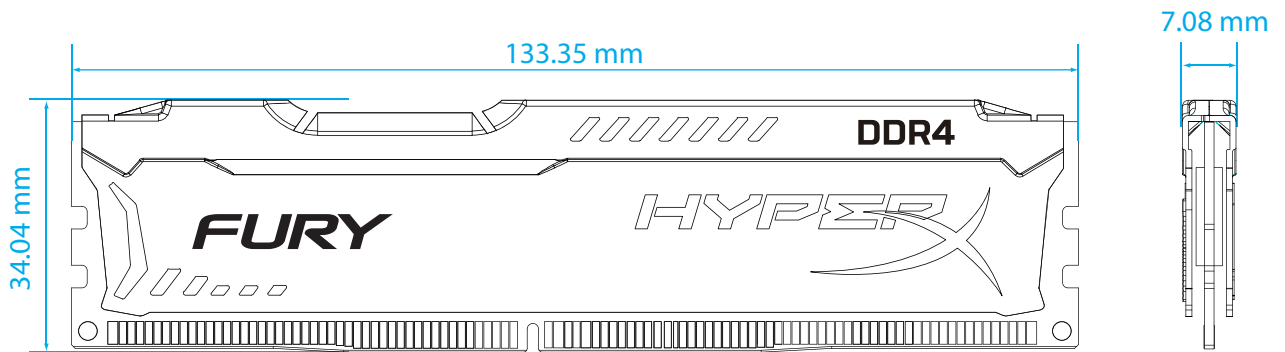|	
CL(IDD)	18 cycles
Row Cycle Time (tRCmin)	45.75ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	350ns(min.)
Row Active Time (tRASmin)	24.375ns(min.)
Maximum Operating Power	TBD W*
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

*Power will vary depending on the SDRAM used.

DESCRIPTION

HyperX HX432C18FR/16 is a 2G x 64-bit (16GB) DDR4-3200 CL18 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 1G 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 DDR4-3200 at a low latency timing of 18-21-21 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.
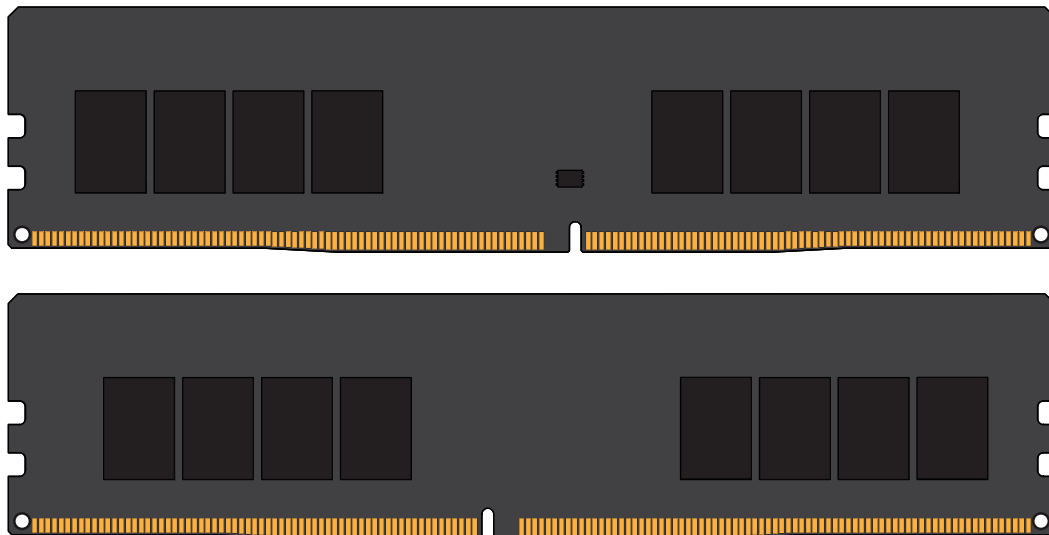
FEATURES

• 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 1.340" (34.04mm), w/heatsink

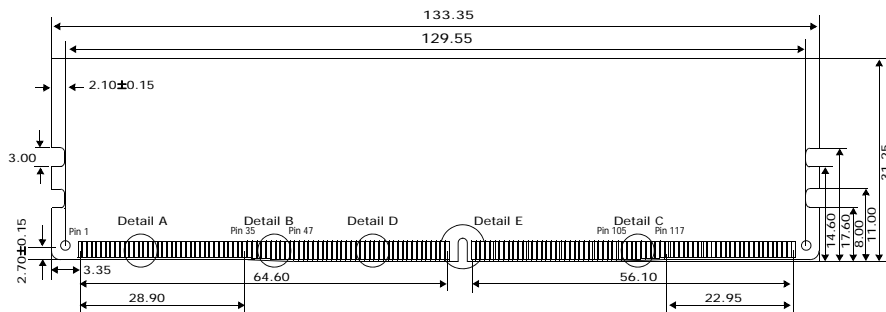## JEDEC/XMP TIMING PARAMETERS

• JEDEC/PnP: DDR4-3200 CL18-21-21 @1.2V
• XMP Profile #1: DDR4-3200 CL18-21-21 @1.2V
• XMP Profile #2: DDR4-2933 CL17-19-19 @1.2V

MODULE WITH HEAT SPREADER

133.35 mm

7.08 mm

34.04 mm

DDR4

FURY

HYPERX

MODULE DIMENSIONS

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

133.35

129.55

2.10±0.15

3.00

31.25

2.70±0.15

Detail A
Pin 1

Detail B
Pin 35   Pin 47

Detail D

Detail E

Detail C
Pin 105   Pin 117

14.60
17.60
8.00
11.00

3.35

64.60

56.10

28.90

22.95

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FOR MORE INFORMATION, GO TO HYPERXGAMING.COM

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