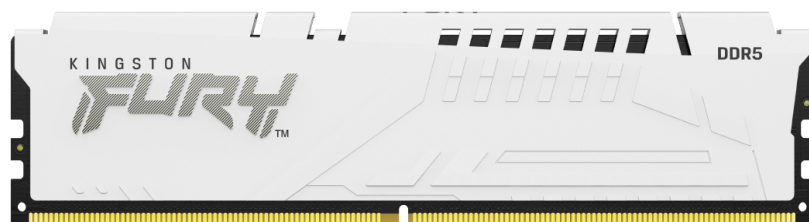


# Memory Module Specifications

## KF564C32BWEK2-64

64GB (32GB 4G x 64-Bit x 2 pcs.)

DDR5-6400 CL32 288-Pin DIMM Kit



## DEFAULT SPECIFICATIONS

CL(IDD)	40 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

## DESCRIPTION

Kingston FURY KF564C32BWEK2-64 is a kit of two 4G x 64-bit (32GB) DDR5-6400 CL32 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 2G x 8-bit FBGA components per module. Each module kit supports AMD® EXPO v1.1 and Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Total kit capacity is 64GB. Each module has been tested to run at DDR5-6400 at a low latency timing of 32-39-39 at 1.4V. The SPDs are programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

## DEFAULT FEATURES

- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.37" (34.9mm), w/heatsink

## FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- EXPO Profile #0: DDR5-6400 CL32-39-39 @1.4V
- EXPO Profile #1: DDR5-6000 CL30-36-36 @1.4V
- XMP Profile #1: DDR5-6400 CL32-39-39 @1.4V
- XMP Profile #2: DDR5-6000 CL30-36-36 @1.4V

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Technical drawing of the Kingston Fury Beast DDR5 memory module. The top view shows the module's length as 133.35 mm. The side view shows the module's height as 6.62 mm. The module features the Kingston Fury Beast logo and the text "DDR5".

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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.