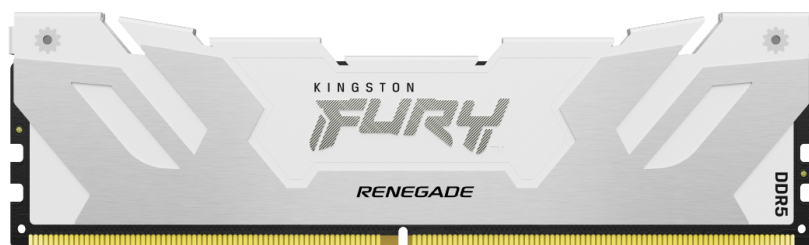


KF568C36RWK2-32

32GB (16GB 2G x 64-Bit x 2 pcs.)
DDR5-6800 CL36 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 KF568C36RWK2-32 is a kit of two 2G x 64-bit (16GB) DDR5-6800 CL36 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) 3.0. Total kit capacity is 32GB. Each module has been tested to run at DDR5-6800 at a low latency timing of 36-42-42 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 1.54" (39.2mm), w/heatsink

FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- XMP Profile #1: DDR5-6800 CL36-42-42 @1.4V
- XMP Profile #2: DDR5-6400 CL32-39-39 @1.4V
- XMP Profile #3: DDR5-6000 CL32-38-38 @1.35V

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Technical drawing of the Kingston Fury Renegade DDR5 memory module. The drawing shows the top and side views. The top view is a long, narrow rectangle with a central label area. The label area contains the text "KINGSTON" above "FURY" in a large, stylized font, and "RENEGADE" below it. The text "DDR5" is printed on the right side of the module. The module has a central notch and two mounting holes on each side. The side view shows the module's profile, which is 7.65 mm high. The length of the module is 133.35 mm, and the width of the mounting holes is 2 mm.

The image displays two grayscale photographs of a circuit board, likely a Raspberry Pi 4, arranged vertically. The top photograph shows the board populated with various electronic components: a central system-on-chip (SoC), several memory modules (RAM), and various peripheral components like capacitors and resistors. The bottom photograph shows the same board, but with most components removed, leaving only the connectors and some small components, possibly for testing or repair purposes. The board is dark, and the components are lighter, creating a high-contrast image.

[illegible]

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.