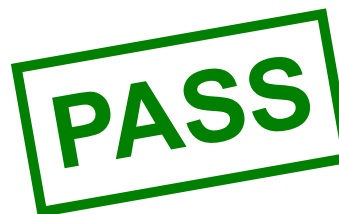


# PASSMARK MemTest86™



## Summary

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Report Date 2024-12-31 11:42:30  
Generated by MemTest86 V11.1 Pro (64-bit)  
Result **PASS**

## System Information

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EFI Specifications 2.80

System

- Manufacturer Gigabyte Technology Co., Ltd.
- Product Name Z790 AORUS ELITE AX
- Version Default string
- Serial Number Default string

BIOS

- Vendor American Megatrends International, LLC.
- Version FKa
- Release Date 09/26/2024

Baseboard

- Manufacturer Gigabyte Technology Co., Ltd.
- Product Name Z790 AORUS ELITE AX
- Version x.x
- Serial Number Default string

CPU Type Intel Core i9-14900K

- CPU Clock 3223 MHz [Turbo: 5624.2 MHz]
- # Logical Processors 32 (24 enabled for testing)
- L1 Cache 32 x 80K (394149 MB/s)
- L2 Cache 8 x 2048K (83491 MB/s)
- L3 Cache 36864K (36539 MB/s)

Memory 65321M (21174 MB/s)

RAM Configuration DDR5 4532MT/s / x2 Channel / 40-40-40-76 / 1.100V

Number of RAM SPDs detected 4

- SPD #0 16GB DDR5 XMP 1Rx8 PC5-44800
  - Vendor Part Info Corsair / CMK32GX5M2B5600C40
  - JEDEC Profile 4800MT/s 40-40-40-77 1.1V
  - XMP Profile 1 5600MT/s 40-40-40-77 1.25V
- SPD #1 16GB DDR5 XMP 1Rx8 PC5-44800
  - Vendor Part Info Corsair / CMK32GX5M2B5600C40
  - JEDEC Profile 4800MT/s 40-40-40-77 1.1V
  - XMP Profile 1 5600MT/s 40-40-40-77 1.25V
- SPD #2 16GB DDR5 XMP 1Rx8 PC5-44800
  - Vendor Part Info Corsair / CMK32GX5M2B5600C40
  - JEDEC Profile 4800MT/s 40-40-40-77 1.1V
  - XMP Profile 1 5600MT/s 40-40-40-77 1.25V
- SPD #3 16GB DDR5 XMP 1Rx8 PC5-44800
  - Vendor Part Info Corsair / CMK32GX5M2B5600C40
  - JEDEC Profile 4800MT/s 40-40-40-77 1.1V
  - XMP Profile 1 5600MT/s 40-40-40-77 1.25V

Number of RAM slots 4

Number of RAM modules 4

- DIMM A1 16GB DDR5 1Rx8 PC5-38400
  - Vendor Part Info Corsair / CMK32GX5M2B5600C40 / 00000000
  - SMBIOS Profile 4800MT/s 1.0V
- DIMM A2 16GB DDR5 1Rx8 PC5-38400

Vendor Part Info	Corsair / CMK32GX5M2B5600C40 / 00000000
SMBIOS Profile	4800MT/s 1.0V
DIMM B1	16GB DDR5 1Rx8 PC5-38400
Vendor Part Info	Corsair / CMK32GX5M2B5600C40 / 00000000
SMBIOS Profile	4800MT/s 1.0V
DIMM B2	16GB DDR5 1Rx8 PC5-38400
Vendor Part Info	Corsair / CMK32GX5M2B5600C40 / 00000000
SMBIOS Profile	4800MT/s 1.0V

## Result summary

Test Start Time	2024-12-31 10:46:06
Elapsed Time	0:54:06
Memory Range Tested	0x0 - 10BFC00000 (68604MB)
CPU Selection Mode	Parallel (All CPUs)
CPU Temperature Min/Max/Ave	95C/100C/98C
RAM Temperature Min/Max/Ave	
TSOD0	32C/44C/39C
TSOD1	32C/45C/38C
TSOD2	31C/44C/37C
TSOD3	30C/40C/35C
Lowest memory speed	4532 MT/s (40-40-40-76)
Highest memory speed	4532 MT/s (40-40-40-76)
# Tests Completed	14/14 (100%)
# Tests Passed	<b>14/14 (100%)</b>

Test	# Tests Passed	Errors
Test 0 [Address test, walking ones, 1 CPU]	1/1 (100%)	0
Test 1 [Address test, own address, 1 CPU]	1/1 (100%)	0
Test 2 [Address test, own address]	1/1 (100%)	0
Test 3 [Moving inversions, ones & zeroes]	1/1 (100%)	0
Test 4 [Moving inversions, 8-bit pattern]	1/1 (100%)	0
Test 5 [Moving inversions, random pattern]	1/1 (100%)	0
Test 6 [Block move, 64-byte blocks]	1/1 (100%)	0
Test 7 [Moving inversions, 32-bit pattern]	1/1 (100%)	0
Test 8 [Random number sequence]	1/1 (100%)	0
Test 9 [Modulo 20, random pattern]	1/1 (100%)	0
Test 10 [Bit fade test, 2 patterns, 1 CPU]	1/1 (100%)	0
Test 11 [Random number sequence, 64-bit]	1/1 (100%)	0
Test 12 [Random number sequence, 128-bit]	1/1 (100%)	0
Test 13 [Hammer test]	1/1 (100%)	0

## Certification

This document certifies that the Tests described above have been carried out by a suitably qualified technician on the System described above.

Signed

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Your company name here  
 123 Your Address, City, Country  
 Phone 123-456-7890  
 E-Mail: info@your-company-name.com