



Summary

Report Date	2024-08-30 04:47:07
Generated by	MemTest86 V11.0 Free (64-bit) Visit MemTest86.com to Upgrade to Pro
Result	FAIL

System Information

EFI Specifications	2.80
System	
Manufacturer	Alienware
Product Name	Alienware Aurora R13
Version	
Serial Number	6Y694K3
BIOS	
Vendor	Alienware
Version	1.20.0
Release Date	05/29/2024
Baseboard	
Manufacturer	Alienware
Product Name	0C92D0
Version	A00
Serial Number	.6Y694K3.CNFCW001AK003G.
CPU Type	
CPU Clock	3229 MHz [Turbo: 5021.2 MHz]
# Logical Processors	24 (8 enabled for testing)
L1 Cache	32 x 80K (621791 MB/s)
L2 Cache	8 x 1280K (132817 MB/s)
L3 Cache	30720K (46292 MB/s)
Memory	130875M (24690 MB/s)
RAM Configuration	DDR5 3590MT/s / x2 Channel / 30-29-29-57 / 1.100V
Number of RAM SPDs detected	
SPD #0	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	SK Hynix / HMCG88MEBUA081N / 137C76BD
JEDEC Profile	4800MT/s 40-39-39-77 1.1V
SPD #1	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	SK Hynix / 01003324
JEDEC Profile	4800MT/s 40-39-39-77 1.1V
SPD #2	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	SK Hynix / HMCG88MEBUA081N / 137C75CA
JEDEC Profile	4800MT/s 40-39-39-77 1.1V
SPD #3	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	SK Hynix / 02003324
JEDEC Profile	4800MT/s 40-39-39-77 1.1V
Number of RAM slots	4
Number of RAM modules	4
DIMM A1	
DIMM A1	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	80AD000080AD / HMCG88MEBUA081N / 137C76BD
SMBIOS Profile	4800MT/s 1.1V
DIMM A2	
DIMM A2	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	80AD000080AD / 01003324
SMBIOS Profile	4800MT/s 1.1V
DIMM B1	
DIMM B1	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	80AD000080AD / HMCG88MEBUA081N / 137C75CA
SMBIOS Profile	4800MT/s 1.1V
DIMM B2	
DIMM B2	32GB DDR5 2Rx8 PC5-38400
Vendor Part Info	80AD000080AD / 02003324
SMBIOS Profile	4800MT/s 1.1V

Result summary

Test Start Time	2024-08-30 04:24:31
Elapsed Time	0:10:03
Memory Range Tested	0x0 - 2080000000 (133120MB)
CPU Selection Mode	Parallel (All CPUs)

CPU Temperature Min/Max/Ave	41C/64C/56C
RAM Temperature Min/Max/Ave	
TSOD0	37C/49C/44C
TSOD1	39C/51C/47C
TSOD2	37C/48C/44C
TSOD3	34C/43C/40C
Lowest memory speed	3590 MT/s (30-29-29-57)
Highest memory speed	3590 MT/s (30-29-29-57)
# Tests Completed	8/8 (100%)
# Tests Passed	7/8 (87%)

Lowest Error Address	0x1D4C4A9850 (120004MB)
Highest Error Address	0x1DFDBC1F54 (122843MB)
Bits in Error Mask	0000000010000000
Bits in Error	1
Max Contiguous Errors	2
CPUs that detected memory errors	{ 0, 2, 4, 6, 8, 10, 12, 14 }

Bits in Error



Test	# Tests Passed	Errors
Test 1 [Address test, own address, 1 CPU]	4/4 (100%)	0
Test 3 [Moving inversions, ones & zeroes]	3/4 (75%)	358

Last 10 Errors
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 0, Address: 1DFDBC1F54, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 0, Address: 1DFDBC1F50, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 4, Address: 1DF51C1F54, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 4, Address: 1DF51C1F50, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 4, Address: 1DF50C1070, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 4, Address: 1DF50C1050, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 8, Address: 1DEF719B54, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 4, Address: 1DF40E1850, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 10, Address: 1DEAE61C54, Expected: FFFFFFFF, Actual: EFFFFFFF
2024-08-30 04:28:33 - [Data Error] Test: 3, CPU: 0, Address: 1DFCEE9050, Expected: FFFFFFFF, Actual: EFFFFFFF

Certification

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

Signed

Your company name here
123 Your Address, City, Country
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