



Summary



Report Date	2024-05-06 22:53:31
Generated by	MemTest86 V10.7 Free (64-bit) Visit MemTest86.com to Upgrade to Pro
Result	FAIL

System Information

EFI Specifications	2.60
System	
Manufacturer	MSI
Product Name	MS-7A59
Version	1.0
Serial Number	Default string
BIOS	
Vendor	American Megatrends Inc.
Version	1.70
Release Date	06/27/2017
Baseboard	
Manufacturer	MSI
Product Name	Z270 SLI PLUS (MS-7A59)
Version	1.0
Serial Number	H916637378
CPU Type	Intel Core i7-7700 @ 3.60GHz
CPU Clock	3601 MHz [Turbo: 4001.2 MHz]
# Logical Processors	8 (4 enabled for testing)
L1 Cache	4 x 64K (227915 MB/s)
L2 Cache	4 x 256K (102754 MB/s)
L3 Cache	8192K (58410 MB/s)
Memory	16355M (14979 MB/s)
RAM Configuration	DDR4 2400MT/s / x1 Channel / 16-16-16-39 / 1.200V
Number of RAM SPDs detected	2
SPD #0	8GB DDR4 XMP 1Rx8 PC4-19200
Vendor Part Info	Corsair / CMK8GX4M1A2400C16
JEDEC Profile	2400MT/s 16-16-16-39 1.2V
XMP Profile 1	2400MT/s 16-16-16-39 1.2V
SPD #1	8GB DDR4 XMP 1Rx8 PC4-19200
Vendor Part Info	Kingston / KHX2400C15/8G / A818FE38
JEDEC Profile	2400MT/s 15-15-15-35 1.2V
XMP Profile 1	2400MT/s 15-15-15-35 1.2V
Number of RAM slots	4
Number of RAM modules	2
ChannelA-DIMM0	Empty slot
ChannelA-DIMM1	Empty slot
ChannelB-DIMM0	8GB DDR4 1Rx8 PC4-19200
Vendor Part Info	029E / CMK8GX4M1A2400C16 / 00000000
SMBIOS Profile	2400MT/s
ChannelB-DIMM1	8GB DDR4 1Rx8 PC4-19200
Vendor Part Info	Kingston / KHX2400C15/8G / A818FE38
SMBIOS Profile	2400MT/s

Result summary

Test Start Time	2024-05-06 19:10:03
Elapsed Time	3:38:20
Memory Range Tested	0x0 - 46F000000 (18160MB)
CPU Selection Mode	Parallel (All CPUs)
CPU Temperature Min/Max/Ave	48C/61C/55C
RAM Temperature Min/Max/Ave	
TSOD0	0C/0C/0C
TSOD1	0C/0C/0C
TSOD2	0C/0C/0C
TSOD3	0C/0C/0C
# Tests Completed	48/48 (100%)
# Tests Passed	24/48 (50%)

Lowest Error Address	0x456954284 (17769MB)
Highest Error Address	0x462EE11D0 (17966MB)
Bits in Error Mask	000000000000000A
Bits in Error	2
Max Contiguous Errors	1
CPUs that detected memory errors	{ 0, 2, 4, 6 }



Test	# Tests Passed	Errors
Test 0 [Address test, walking ones, 1 CPU]	4/4 (100%)	0
Test 1 [Address test, own address, 1 CPU]	4/4 (100%)	0
Test 2 [Address test, own address]	4/4 (100%)	0
Test 3 [Moving inversions, ones & zeroes]	4/4 (100%)	0
Test 4 [Moving inversions, 8-bit pattern]	1/4 (25%)	4
Test 5 [Moving inversions, random pattern]	2/4 (50%)	2
Test 6 [Block move, 64-byte blocks]	0/4 (0%)	250
Test 7 [Moving inversions, 32-bit pattern]	0/4 (0%)	48

Test 8 [Random number sequence]	0/4 (0%)	9
Test 9 [Modulo 20, ones & zeros]	0/4 (0%)	84
Test 10 [Bit fade test, 2 patterns, 1 CPU]	4/4 (100%)	0
Test 13 [Hammer test]	1/4 (25%)	6

Last 10 Errors		
2024-05-06 22:48:23 - [Data Error]	Test: 13, CPU: 0, Address: 4612644B4, Expected: A0294260, Actual: A0294268	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 4612644B4, Expected: A2A915E2, Actual: A2A915EA	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 461267FF4, Expected: A2A915E2, Actual: A2A915E0	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 461266874, Expected: A2A915E2, Actual: A2A915EA	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 4612644B4, Expected: 603483B4, Actual: 603483BC	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 461266874, Expected: 603483B4, Actual: 603483BC	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 461267FF4, Expected: 9FCB7C4B, Actual: 9FCB7C49	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 4612644B4, Expected: 41C369D7, Actual: 41C369DF	
2024-05-06 22:34:05 - [Data Error]	Test: 9, CPU: 6, Address: 461267FF4, Expected: 41C369D7, Actual: 41C369D5	
2024-05-06 22:33:53 - [Data Error]	Test: 9, CPU: 0, Address: 45F5574F4, Expected: B5BB8676, Actual: B5BB8674	

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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