



Summary

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|--------------|---|
| Report Date | 2021-03-09 19:49:35 |
| Generated by | MemTest86 V9.0 Free (64-bit) Visit MemTest86.com to Upgrade to Pro |
| Result | FAIL |

System Information

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|-----------------------------|---|
| EFI Specifications | 2.70 |
| System | |
| Manufacturer | Micro-Star International Co., Ltd. |
| Product Name | MS-7C75 |
| Version | 2.0 |
| Serial Number | Default string |
| BIOS | |
| Vendor | American Megatrends Inc. |
| Version | A.30 |
| Release Date | 10/13/2020 |
| Baseboard | |
| Manufacturer | Micro-Star International Co., Ltd. |
| Product Name | MPG Z490 GAMING PLUS (MS-7C75) |
| Version | 2.0 |
| Serial Number | 07C7521_KA1E080211 |
| CPU Type | Intel Core i5-10600K @ 4.10GHz |
| CPU Clock | 4156 MHz [Turbo: 4611.4 MHz] |
| # Logical Processors | 12 (6 enabled for testing) |
| L1 Cache | 4 x 64K (248312 MB/s) |
| L2 Cache | 4 x 256K (109085 MB/s) |
| L3 Cache | 12288K (45079 MB/s) |
| Memory | 16321M (23524 MB/s) |
| Number of RAM SPDs detected | 2 |
| SPD #0 | 8GB DDR4 XMP PC4-25600 Corsair / CMW16GX4M2C3200C16 16-18-18-36 / 3200 MHz / 1.350V |
| SPD #1 | 8GB DDR4 XMP PC4-25600 Corsair / CMW16GX4M2C3200C16 16-18-18-36 / 3200 MHz / 1.350V |
| Number of RAM slots | 4 |
| Number of RAM modules | 2 |
| DIMM Slot #0 | Empty slot |
| DIMM Slot #1 | 8GB DDR4 PC4-25600 029E / CMW16GX4M2C3200C16 / 00000000 3200 MHz |
| DIMM Slot #2 | Empty slot |
| DIMM Slot #3 | 8GB DDR4 PC4-25600 029E / CMW16GX4M2C3200C16 / 00000000 3200 MHz |

Result summary

| | |
|-----------------------------|---------------------------|
| Test Start Time | 2021-03-09 17:17:58 |
| Elapsed Time | 2:30:48 |
| Memory Range Tested | 0x0 - 45E000000 (17888MB) |
| CPU Selection Mode | Parallel (All CPUs) |
| CPU Temperature Min/Max/Ave | 35C/57C/44C |
| RAM Temperature Min/Max/Ave | -/-/- |
| # Tests Passed | 47/48 (97%) |

| | |
|-----------------------|----------------------|
| Lowest Error Address | 0x1938E7D44 (6456MB) |
| Highest Error Address | 0x199477C44 (6548MB) |
| Bits in Error Mask | 0000000004000000 |
| Bits in Error | 1 |
| Max Contiguous Errors | 1 |
| CPUs in Error | 6, 8, 10 |

| 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] | 4/4 (100%) | 0 |
| Test 5 [Moving inversions, random pattern] | 4/4 (100%) | 0 |
| Test 6 [Block move, 64-byte blocks] | 4/4 (100%) | 0 |
| Test 7 [Moving inversions, 32-bit pattern] | 3/4 (75%) | 3 |
| Test 8 [Random number sequence] | 4/4 (100%) | 0 |
| Test 9 [Modulo 20, ones & zeros] | 4/4 (100%) | 0 |
| Test 10 [Bit fade test, 2 patterns, 1 CPU] | 4/4 (100%) | 0 |
| Test 13 [Hammer test] | 4/4 (100%) | 0 |

| Last 10 Errors |
|---|
| 2021-03-09 19:16:34 - [Data Error] Test: 7, CPU: 6, Address: 199477C44, Expected: 10000000, Actual: 14000000 |
| 2021-03-09 19:16:33 - [Data Error] Test: 7, CPU: 10, Address: 1938E7D44, Expected: 00800000, Actual: 04800000 |
| 2021-03-09 19:16:33 - [Data Error] Test: 7, CPU: 8, Address: 1954AFC44, Expected: 00800000, Actual: 04800000 |

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
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