



## Summary

Report Date	2024-01-08 05:33:03
Generated by	MemTest86 V10.6 Free (64-bit) Visit <a href="https://www.memtest86.com">MemTest86.com</a> to Upgrade to Pro
Result	FAIL

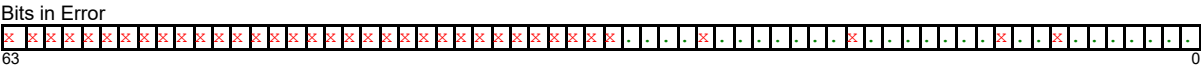
## System Information

EFI Specifications	2.70
System	
Manufacturer	System manufacturer
Product Name	System Product Name
Version	System Version
Serial Number	System Serial Number
BIOS	
Vendor	American Megatrends Inc.
Version	4401
Release Date	09/04/2023
Baseboard	
Manufacturer	ASUSTeK COMPUTER INC.
Product Name	TUF B450-PLUS GAMING
Version	Rev X.0x
Serial Number	190957657000001
CPU Type	AMD Ryzen 5 2600 Six-Core
CPU Clock	3850 MHz [Turbo: 3850.4 MHz]
# Logical Processors	12 (6 enabled for testing)
L1 Cache	12 x 96K (69695 MB/s)
L2 Cache	12 x 512K (57113 MB/s)
L3 Cache	1 x 16384K (31445 MB/s)
Memory	32694M (19420 MB/s)
RAM Configuration	DDR4 3200MT/s / x2 Channel / 18-19-19-39 / 1.200V
Number of RAM SPDs detected	4
SPD #0	8GB DDR4 XMP 1Rx8 PC4-33100
Vendor Part Info	A-DATA Technology / DDR4 4133 / 57080000
JEDEC Profile	2666MT/s 19-19-19-43 1.2V
XMP Profile 1	4140MT/s 19-23-23-45 1.4V
XMP Profile 2	4000MT/s 18-19-19-39 1.35V
SPD #1	8GB DDR4 XMP 1Rx8 PC4-33100
Vendor Part Info	A-DATA Technology / DDR4 4133 / 51080000
JEDEC Profile	2666MT/s 19-19-19-43 1.2V
XMP Profile 1	4140MT/s 19-23-23-45 1.4V
XMP Profile 2	4000MT/s 18-19-19-39 1.35V
SPD #2	8GB DDR4 XMP 1Rx8 PC4-33100
Vendor Part Info	A-DATA Technology / AX4U41338G19J-BT60 / 2E8B0300
JEDEC Profile	2666MT/s 19-19-19-43 1.2V
XMP Profile 1	4140MT/s 19-23-23-45 1.4V
XMP Profile 2	4000MT/s 18-19-19-39 1.35V
SPD #3	8GB DDR4 XMP 1Rx8 PC4-33100
Vendor Part Info	A-DATA Technology / AX4U41338G19J-BT60 / 69460100
JEDEC Profile	2666MT/s 19-19-19-43 1.2V
XMP Profile 1	4140MT/s 19-23-23-45 1.4V
XMP Profile 2	4000MT/s 18-19-19-39 1.35V
Number of RAM slots	4
Number of RAM modules	4
DIMM_A1	8GB DDR4 1Rx8 PC4-25600
Vendor Part Info	A-DATA / DDR4 4133 / 57080000
SMBIOS Profile	3200MT/s 1.2V
DIMM_A2	8GB DDR4 1Rx8 PC4-25600
Vendor Part Info	A-DATA / AX4U41338G19J-BT60 / 2E8B0300
SMBIOS Profile	3200MT/s 1.2V
DIMM_B1	8GB DDR4 1Rx8 PC4-25600
Vendor Part Info	A-DATA / DDR4 4133 / 51080000
SMBIOS Profile	3200MT/s 1.2V
DIMM_B2	8GB DDR4 1Rx8 PC4-25600
Vendor Part Info	A-DATA / AX4U41338G19J-BT60 / 69460100
SMBIOS Profile	3200MT/s 1.2V

Result summary

Test Start Time	2024-01-07 17:36:13
Elapsed Time	5:03:45
Memory Range Tested	0x0 - 830000000 (33536MB)
CPU Selection Mode	Parallel (All CPUs)
CPU Temperature Min/Max/Ave	37C/58C/44C
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	33/48 (68%)

Lowest Error Address	0x5183704 (81MB)
Highest Error Address	0x82EBBE344 (33515MB)
Bits in Error Mask	FFFFFFFF84040480
Bits in Error	37
Max Contiguous Errors	1
CPUs that detected memory errors	{ 0, 2, 4, 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]	1/4 (25%)	12
Test 7 [Moving inversions, 32-bit pattern]	0/4 (0%)	234
Test 8 [Random number sequence]	0/4 (0%)	11
Test 9 [Modulo 20, ones & zeros]	0/4 (0%)	28
Test 10 [Bit fade test, 2 patterns, 1 CPU]	4/4 (100%)	0
Test 13 [Hammer test]	4/4 (100%)	0

Last 10 Errors
2024-01-07 22:10:01 - [Data Error] Test: 9, CPU: 8, Address: 8243003CC, Expected: DD8F9C33, Actual: D98F9C33
2024-01-07 22:08:55 - [Data Error] Test: 9, CPU: 2, Address: 78AA7FFCC, Expected: 77BCC466, Actual: 73BCC466
2024-01-07 22:06:22 - [Data Error] Test: 9, CPU: 6, Address: 601ADA4CC, Expected: 23145C29, Actual: 27145C29
2024-01-07 22:05:55 - [Data Error] Test: 9, CPU: 0, Address: 5DFC26BCC, Expected: 7027172A, Actual: 7427172A
2024-01-07 22:05:13 - [Data Error] Test: 9, CPU: 6, Address: 55A12A3CC, Expected: 11A54DFA, Actual: 15A54DFA
2024-01-07 22:04:13 - [Data Error] Test: 9, CPU: 6, Address: 4C969244C, Expected: 3F7A3BA3, Actual: 3B7A3BA3
2024-01-07 22:03:12 - [Data Error] Test: 9, CPU: 8, Address: 435F5880C, Expected: 9D96F02F, Actual: 9996F02F
2024-01-07 22:03:11 - [Data Error] Test: 9, CPU: 6, Address: 4389E32CC, Expected: 14A26FD9, Actual: 10A26FD9
2024-01-07 22:01:20 - [Data Error] Test: 9, CPU: 8, Address: 32CA5118C, Expected: 3914E1C0, Actual: 3D14E1C0
2024-01-07 21:57:48 - [Data Error] Test: 9, CPU: 4, Address: 12439AFCC, Expected: 4634A700, Actual: 4234A700

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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