



Summary

Report Date	2025-08-01 07:15:50
Generated by	MemTest86 V11.4 Free (64-bit) Visit MemTest86.com to Upgrade to Pro
Result	PASS

System Information

EFI Specifications	2.70
System	
Manufacturer	ASUS
Product Name	System Product Name
Version	System Version
Serial Number	System Serial Number
BIOS	
Vendor	American Megatrends Inc.
Version	1801
Release Date	12/26/2022
Baseboard	
Manufacturer	ASUSTeK COMPUTER INC.
Product Name	TUF GAMING Z590-PLUS WIFI
Version	Rev 1.xx
Serial Number	210889260802291
CPU Type	11th Gen Intel Core i7-11700K @ 3.60GHz
CPU Clock	3638 MHz [Turbo: 4701.0 MHz]
# Logical Processors	16 (8 enabled for testing)
L1 Cache	4 x 80K (514878 MB/s)
L2 Cache	4 x 512K (104625 MB/s)
L3 Cache	16384K (54836 MB/s)
Memory	32561M (29022 MB/s)
RAM Configuration	DDR4 3200MT/s / x2 Channel / 16-18-18-38 / 1.200V
Number of RAM SPDs detected	4
SPD #0	8GB DDR4 XMP 1Rx8 PC4-25600
Vendor Part Info	G Skill Intl / F4-3200C16-8GVGB
JEDEC Profile	2134MT/s 15-15-15-36 1.2V
XMP Profile 1	3200MT/s 16-18-18-38 1.35V
SPD #1	8GB DDR4 XMP 1Rx8 PC4-25600
Vendor Part Info	G Skill Intl / F4-3200C16-8GVKB
JEDEC Profile	104MT/s 1-1-1-2 1.2V
XMP Profile 1	3200MT/s 16-18-18-38 1.35V
SPD #2	8GB DDR4 XMP 1Rx8 PC4-25600
Vendor Part Info	G Skill Intl / F4-3200C16-8GVGB
JEDEC Profile	2134MT/s 15-15-15-36 1.2V
XMP Profile 1	3200MT/s 16-18-18-38 1.35V
SPD #3	8GB DDR4 XMP 1Rx8 PC4-25600
Vendor Part Info	G Skill Intl / F4-3200C16-8GVKB
JEDEC Profile	100MT/s 1-1-1-2 1.2V
XMP Profile 1	3200MT/s 16-18-18-38 1.35V
Number of RAM slots	4
Number of RAM modules	4
DIMM A1	8GB DDR4 1Rx8 PC4-17000
Vendor Part Info	G Skill Intl / F4-3200C16-8GVGB / 00000000
SMBIOS Profile	2133MT/s 1.2V
DIMM A2	8GB DDR4 1Rx8 PC4-66100
Vendor Part Info	G Skill Intl / F4-3200C16-8GVKB / 00000000
SMBIOS Profile	8267MT/s 1.2V
DIMM B1	8GB DDR4 1Rx8 PC4-17000
Vendor Part Info	G Skill Intl / F4-3200C16-8GVGB / 00000000
SMBIOS Profile	2133MT/s 1.2V
DIMM B2	8GB DDR4 1Rx8 PC4-66100
Vendor Part Info	G Skill Intl / F4-3200C16-8GVKB / 00000000
SMBIOS Profile	8267MT/s 1.2V

Result summary

Test Start Time	2025-08-01 06:39:35
Elapsed Time	0:34:42
Memory Range Tested	0x0 - 85F800000 (34296MB)
CPU Selection Mode	Parallel (All CPUs)
CPU Temperature Min/Max/Ave	55C/67C/60C
Lowest memory speed	3198 MT/s (16-18-18-38)
Highest memory speed	3200 MT/s (16-18-18-38)
# Tests Completed	12/12 (100%)
# Tests Passed	12/12 (100%)

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 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

Your company name here
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