

CPU-Z

CPUMainboardMemorySPDGraphicsBenchAbout

General

TypeDDR4Channel #2 x 64-bitSize16 GBytesDC ModeUncore Frequency1499.7 MHz

Timings

DRAM Frequency1499.7 MHz

FSB:DRAM3:45

CAS# Latency (CL)16.0 clocks

RAS# to CAS# Delay (tRCD)18 clocks

RAS# Precharge (tRP)18 clocks

Cycle Time (tRAS)38 clocks

Bank Cycle Time (tRC)71 clocks

Command Rate (CR)1T

DRAM Idle Timer

Total CAS# (tRDRAM)

Row To Column (tRCD)

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Memory Slot Selection

Slot #2DDR4Module Size8 GBytesMax BandwidthDDR4-3002 (1501 MHz)SPD Ext.XMP 2.0Module Manuf.G.SkillWeek/YearDRAM Manuf.SamsungRanksSinglePart NumberF4-3000C16-8GISBCorrectionSerial NumberRegistered

Timings Table

	JEDEC #5	JEDEC #6	JEDEC #7	XMP-3002
Frequency	1033 MHz	1066 MHz	1066 MHz	1501 MHz
CAS# Latency	14.0	15.0	16.0	16.0
RAS# to CAS#	15	15	15	18
RAS# Precharge	15	15	15	18
tRAS	35	36	36	38
tRC	49	50	50	56
Command Rate				
Voltage	1.20 V	1.20 V	1.20 V	1.350 V

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Motherboard

ManufacturerMicro-Star International Co. LtdModelB450 GAMING PLUS MAX (MS-7B86)3.0Bus Specs.PCI-Express 4.0 (16.0 GT/s)ChipsetAMD Ryzen SOCRev.00SouthbridgeAMD B450Rev.51LPCIONuvoton NCT6797

BIOS

BrandAmerican Megatrends Inc.VersionH.70 - AMD AGESA Combo-AM4 1.0.0.6Date06/17/2020

Graphic Interface

BusPCI-Express 3.0Current Link Widthx16Max. Supportedx16Current Link Speed8.0 GT/sMax. Supported8.0 GT/s

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Processor

NameAMD Ryzen 5 3600Code NameMatisseMax TDP65.0 WPackageSocket AM4 (1331)Technology7 nmCore Voltage1.408 V

AMD Ryzen 5

SpecificationAMD Ryzen 5 3600 6-Core Processor

FamilyFModel1Stepping0

Ext. Family17Ext. Model71RevisionMTS-B0

InstructionsMMX(+), SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, SSE4A, x86-64, AMD-V, AES, AVX, AVX2, FMA3, SHA

Clocks (Core #0)

Core Speed4199.02 MHzMultiplierx 42.0 (5.5 - 42.0)Bus Speed99.98 MHzRated FSB

Cache

L1 Data6 x 32 KBytes8-way

L1 Inst.6 x 32 KBytes8-way

Level 26 x 512 KBytes8-way

Level 32 x 16 MBytes16-way

SelectionSocket #1Cores6Threads12

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