

CPU-Z

Binaries

CPU-Z version 1.73.0.x64

Processors

Number of processors 1

Number of threads 6

APICs

Processor 0

-- Core 0
-- Thread 0 0
-- Core 1
-- Thread 0 1
-- Core 2
-- Thread 0 2
-- Core 3
-- Thread 0 3
-- Core 4
-- Thread 0 4
-- Core 5
-- Thread 0 5

Timers

ACPI timer 3.580 MHz
HPET timer 14.318 MHz
Perf timer 10.000 MHz
Sys timer 1.000 KHz

Processors Information

Processor 1 ID = 0
Number of cores 6 (max 6)
Number of threads 6 (max 6)
Name AMD FX-6350
Codename Vishera
Specification AMD FX(tm)-6350 Six-Core Processor
Package Socket AM3+ (942)
CPUID F.2.0
Extended CPUID 15.2
Core Stepping OR-C0
Technology 32 nm

TDP Limit	125.0 Watts
Core Speed	3917.9 MHz
Multiplier x Bus Speed	19.5 x 200.9 MHz
Rated Bus speed	2612.0 MHz
Stock frequency	3900 MHz
Instructions sets	MMX (+), SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, SSE4A, x86-64, AMD-V, AES, AVX, XOP, FMA3, FMA4
L1 Data cache	6 x 16 KBytes, 4-way set associative, 64-byte line size
L1 Instruction cache	3 x 64 KBytes, 2-way set associative, 64-byte line size
L2 cache	3 x 2048 KBytes, 16-way set associative, 64-byte line size
L3 cache	8 MBytes, 64-way set associative, 64-byte line size
FID/VID Control	yes
Min FID	7.0x
# of P-States	7
P-State	FID 0x1A - VID 0x0A - IDD 17 (21.00x - 1.425 V)
P-State	FID 0x17 - VID 0x0F - IDD 17 (19.50x - 1.362 V)
P-State	FID 0x14 - VID 0x18 - IDD 12 (18.00x - 1.250 V)
P-State	FID 0xF - VID 0x1F - IDD 10 (15.50x - 1.162 V)
P-State	FID 0x9 - VID 0x27 - IDD 7 (12.50x - 1.063 V)
P-State	FID 0x4 - VID 0x2E - IDD 6 (10.00x - 0.975 V)
P-State	FID 0x10C - VID 0x38 - IDD 4 (7.00x - 0.850 V)
PStateReg	0x800001A9-0x0000141A
PStateReg	0x800001A9-0x00001E17
PStateReg	0x80000174-0x00003014
PStateReg	0x8000015F-0x00003E0F
PStateReg	0x80000149-0x00004E09
PStateReg	0x80000138-0x00005C04
PStateReg	0x80000125-0x0000704C
PStateReg	0x00000000-0x00000000
Package Type	0x1
Model	00
String 1	0x0
String 2	0x0
Page	0x0
Base TDP	12 Watts
Boosted P-States	1
Max non-turbo ratio	19.50x
Max turbo ratio	21.00x
TSC	3918.1 MHz
APERF	4219.4 MHz
MPERF	3917.9 MHz
Attached device	PCI device at bus 0, device 24, function 0
100	00000000 00000000 00000000 00000000
110	00000000 00000000 00000000 00000000
120	00000000 00000000 00000000 00000000

130	000000C1	00000000	00000000	00000000
140	00000000	00000000	00000000	00000000
150	00073900	00000000	00000000	00000000
160	00000000	00000000	00000400	0066E066
170	00000109	00000000	00000000	00000000
180	00000000	00000000	00000000	00000000
190	00000000	00000000	00000000	00000000
1A0	80000003	00000000	00000000	00000000
1B0	00000000	00000000	00000000	00000000
1C0	00000000	00000000	00000000	00000000
1D0	00000000	00000000	00000000	0000003E
1E0	00000000	00000000	00000000	00000000
1F0	00000000	00000000	00000000	00000000

Attached device

PCI device at bus 0, device 24, function 1

100	00000000	00000000	00000000	00000000
110	00000000	00000000	00000000	00000000
120	00000000	00000047	00000000	00000000
130	00000000	00000000	00000000	00000000
140	00000000	00000000	00000000	00000000
150	00000000	00000000	00000000	00000000
160	00000000	00000000	00000000	00000000
170	00000000	00000000	00000000	00000000
180	00000000	00000000	00000000	00000000
190	00000000	00000000	00000000	00000000
1A0	00000000	00000000	00000000	00000000
1B0	00000000	00000000	00000000	00000000
1C0	00000000	00000000	00000000	00000000
1D0	00000000	00000000	00000000	00000000
1E0	00000000	00000000	00000000	00000000
1F0	00000000	00000000	00000000	00000000

Attached device

PCI device at bus 0, device 24, function 2

100	00000000	00003E51	00000000	00000000
110	000005C4	00000000	044CA424	0CE00F41
120	00EF8860	00000000	00000000	00000000
130	807001FE	2F3A7BE2	6E4AA3F3	FEF079FE
140	00000000	00000000	00000001	00000109
150	00000000	00000000	00000000	00000000
160	00000000	00F83EE0	00000000	00000000
170	00000000	00000000	00020000	18640108
180	00000070	00800004	33000000	00020000
190	0B010000	0F48088E	8D0F4007	00000000
1A0	031D0200	00000000	00000000	00000000
1B0	0FC39001	480F7D05	00000000	00000000
1C0	00000000	00000000	00000000	00000000
1D0	00000000	00000000	00000000	00000000

1E0 00000000 00000000 00000000 00000000
1F0 00000000 00000000 00000000 00000000

Attached device PCI device at bus 0, device 24, function 3
100 00000000 00000000 00000000 00000000
110 00000000 00000000 00000000 00000000
120 00000000 00000000 00000000 00000000
130 00000000 00000000 00000000 00000000
140 00A11755 00000055 0000C12A 00000000
150 00000000 00000000 00000000 00000000
160 C0000000 00000000 C0000000 00000000
170 C0000000 00000000 00000000 00000009
180 017003E3 00000000 08000210 00000008
190 00000000 00000000 00780400 00000000
1A0 00034144 00000000 00000000 00000000
1B0 32E13F20 00000000 00141000 00000000
1C0 00000000 0003CCCC 00000000 00000100
1D0 00000000 00000000 002B170F 00000000
1E0 00000000 80001387 00000010 000000A0
1F0 00080000 00000000 00000000 004C074F

Attached device PCI device at bus 0, device 24, function 4
100 00000000 00000321 00000000 00AE01C4
110 000FE001 00000000 0107000B 00000000
120 00000000 00000000 00000500 00000000
130 00000000 00000000 00000000 00000000
140 1059C931 0000030C 22A2CBF8 0000071C
150 00000B65 00EBEBBD 00000000 00000085
160 00600F20 00000003 00000000 00000277
170 00000000 00000000 00000000 00000000
180 E000530F 00001003 00000000 00000000
190 00000000 00000000 00000000 00000000
1A0 0000001E 00000000 00000000 00000000
1B0 00000000 00000000 003401F8 00000000
1C0 000000F6 00000110 00000000 00000090
1D0 00080000 0000FFFF 00000000 00000000
1E0 0B52141A 0B521E17 0AE83014 0ABE3E0F
1F0 0A924E09 0A705C04 0A4A704C 00000000

Attached device PCI device at bus 0, device 24, function 5
100 00000000 00000000 00000000 00000000
110 00000000 00000000 00000000 00000000
120 00001111 80000000 00009138 00000000
130 00000000 00000000 00000000 00000000
140 00000000 00000000 00000000 00000000
150 00000000 00000000 00000000 00000000
160 0000780F 00000000 00000000 00000000

170	00000608 0001E038 00000000 00000000
180	00000000 00000000 00000000 00000000
190	2233457A 0000000B 00202020 00000000
1A0	00000000 00000000 00000000 00000000
1B0	00000000 00000000 00000000 00000000
1C0	00000000 00000000 00000000 00000000
1D0	00000000 00000000 00000000 00000000
1E0	00000000 00000000 00000000 00000000
1F0	00000000 00000000 00000000 00000000

Temperature 1	48°C (118°F) [0x30] (Package)
Power 0	35.90 W (Package)

Chipset

Northbridge	AMD RD9x0 rev. 02
Southbridge	AMD SB910/950 rev. 40
Graphic Interface	PCI-Express
PCI-E Link Width	x4
PCI-E Max Link Width	x16
Memory Type	DDR3
Memory Size	8 GBytes
Channels	Dual
Memory Frequency	669.7 MHz (3:10)
CAS# latency (CL)	9.0
RAS# to CAS# delay (tRCD)	9
RAS# Precharge (tRP)	9
Cycle Time (tRAS)	24
Bank Cycle Time (tRC)	34
Uncore Frequency	2210.1 MHz

Memory SPD

DIMM #	1
SMBus address	0x52
Memory type	DDR3
Module format	UDIMM
Manufacturer (ID)	Corsair (7F7F9E00000000000000)
Size	4096 MBytes
Max bandwidth	PC3-10700H (667 MHz)
Part number	CMV4GX3M1A1333C9
Number of banks	8
Nominal Voltage	1.50 Volts
EPP	no
XMP	no
AMP	no

JEDEC timings table	CL-tRCD-tRP-tRAS-tRC @ frequency
JEDEC #1	6.0-6-6-16-23 @ 444 MHz
JEDEC #2	8.0-8-8-22-30 @ 592 MHz
JEDEC #3	9.0-9-9-24-34 @ 666 MHz
DIMM #	2
SMBus address	0x53
Memory type	DDR3
Module format	UDIMM
Manufacturer (ID)	Corsair (7F7F9E00000000000000)
Size	4096 MBytes
Max bandwidth	PC3-10700H (667 MHz)
Part number	CMV4GX3M1A1333C9
Number of banks	8
Nominal Voltage	1.50 Volts
EPP	no
XMP	no
AMP	no
JEDEC timings table	CL-tRCD-tRP-tRAS-tRC @ frequency
JEDEC #1	6.0-6-6-16-23 @ 444 MHz
JEDEC #2	8.0-8-8-22-30 @ 592 MHz
JEDEC #3	9.0-9-9-24-34 @ 666 MHz

Monitoring

Mainboard Model 990XA-UD3 R5 (0x000002DB - 0x842BEAA0)

LPCIO

LPCIO Vendor ITE
LPCIO Model IT8620
LPCIO Vendor ID 0x90
LPCIO Chip ID 0x8620
LPCIO Revision ID 0x4

Hardware Monitors

Hardware monitor ITE IT8620

Voltage 0 1.38 Volts [0x73] (CPU VCORE)
Voltage 1 1.51 Volts [0x7E] (VIN1)
Voltage 2 2.04 Volts [0xAA] (+3.3V)
Voltage 3 3.39 Volts [0xA8] (+5V)
Voltage 4 8.11 Volts [0xA9] (+12V)
Voltage 5 -5.90 Volts [0x7B] (-12V)
Voltage 6 -8.88 Volts [0xB9] (-5V)
Voltage 7 2.80 Volts [0x8B] (+5V VCCH)
Voltage 8 1.48 Volts [0x7B] (VBAT)
Temperature 0 37°C (98°F) [0x25] (TMPIN0)
Temperature 1 55°C (131°F) [0x37] (TMPIN1)

Temperature 2	47°C (116°F) [0x2F] (TMPIN2)
Fan 0	3140 RPM [0xD7] (FANIN0)
Fan PWM 0	0 pc [0x0] (FANPWM0)
Fan PWM 1	0 pc [0x0] (FANPWM1)
Fan PWM 2	0 pc [0x0] (FANPWM2)
Hardware monitor	AMD ADL
Voltage 0	0.90 Volts [0x384] (VIN0)
Temperature 0	47°C (116°F) [0x2F] (TMPIN0)
Fan 0	990 RPM [0x3DE] (FANIN0)
Clock Speed 0	300.40 MHz [0x12C] (Graphics)
Clock Speed 1	150.00 MHz [0x12C] (Memory)
PCI Devices	
Description	Host Bridge
Location	bus 0 (0x00), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x5A14
Revision ID	0x02
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 2 (0x02), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x5A16
Revision ID	0x00
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 9 (0x09), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x5A1C
Revision ID	0x00
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 10 (0x0A), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x5A1D
Revision ID	0x00
Description	Serial ATA Controller
Location	bus 0 (0x00), device 17 (0x11), function 0 (0x00)
Common header	
Vendor ID	0x1002

Model ID	0x4391
Revision ID	0x40
Description	USB Controller (OHCI)
Location	bus 0 (0x00), device 18 (0x12), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x4397
Revision ID	0x00
Description	USB 2.0 Controller (EHCI)
Location	bus 0 (0x00), device 18 (0x12), function 2 (0x02)
Common header	
Vendor ID	0x1002
Model ID	0x4396
Revision ID	0x00
Description	USB Controller (OHCI)
Location	bus 0 (0x00), device 19 (0x13), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x4397
Revision ID	0x00
Description	USB 2.0 Controller (EHCI)
Location	bus 0 (0x00), device 19 (0x13), function 2 (0x02)
Common header	
Vendor ID	0x1002
Model ID	0x4396
Revision ID	0x00
Description	SMBus Controller
Location	bus 0 (0x00), device 20 (0x14), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x4385
Revision ID	0x42
Description	Multimedia device
Location	bus 0 (0x00), device 20 (0x14), function 2 (0x02)
Common header	
Vendor ID	0x1002
Model ID	0x4383
Revision ID	0x40
Description	PCI to ISA Bridge
Location	bus 0 (0x00), device 20 (0x14), function 3 (0x03)

Common header	
Vendor ID	0x1002
Model ID	0x439D
Revision ID	0x40
Description	PCI to PCI Bridge
Location	bus 0 (0x00), device 20 (0x14), function 4 (0x04)
Common header	
Vendor ID	0x1002
Model ID	0x4384
Revision ID	0x40
Description	USB Controller (OHCI)
Location	bus 0 (0x00), device 20 (0x14), function 5 (0x05)
Common header	
Vendor ID	0x1002
Model ID	0x4399
Revision ID	0x00
Description	USB Controller (OHCI)
Location	bus 0 (0x00), device 22 (0x16), function 0 (0x00)
Common header	
Vendor ID	0x1002
Model ID	0x4397
Revision ID	0x00
Description	USB 2.0 Controller (EHCI)
Location	bus 0 (0x00), device 22 (0x16), function 2 (0x02)
Common header	
Vendor ID	0x1002
Model ID	0x4396
Revision ID	0x00
Description	Host Bridge
Location	bus 0 (0x00), device 24 (0x18), function 0 (0x00)
Common header	
Vendor ID	0x1022
Model ID	0x1600
Revision ID	0x00
Description	Host Bridge
Location	bus 0 (0x00), device 24 (0x18), function 1 (0x01)
Common header	
Vendor ID	0x1022
Model ID	0x1601
Revision ID	0x00

Description Host Bridge
Location bus 0 (0x00), device 24 (0x18), function 2 (0x02)
Common header
Vendor ID 0x1022
Model ID 0x1602
Revision ID 0x00

Description Host Bridge
Location bus 0 (0x00), device 24 (0x18), function 3 (0x03)
Common header
Vendor ID 0x1022
Model ID 0x1603
Revision ID 0x00

Description Host Bridge
Location bus 0 (0x00), device 24 (0x18), function 4 (0x04)
Common header
Vendor ID 0x1022
Model ID 0x1604
Revision ID 0x00

Description Host Bridge
Location bus 0 (0x00), device 24 (0x18), function 5 (0x05)
Common header
Vendor ID 0x1022
Model ID 0x1605
Revision ID 0x00

Description VGA Controller
Location bus 1 (0x01), device 0 (0x00), function 0 (0x00)
Common header
Vendor ID 0x1002
Model ID 0x6939
Revision ID 0xF1

Description Multimedia device
Location bus 1 (0x01), device 0 (0x00), function 1 (0x01)
Common header
Vendor ID 0x1002
Model ID 0xAAD8
Revision ID 0x00

Description Ethernet Controller
Location bus 2 (0x02), device 0 (0x00), function 0 (0x00)
Common header
Vendor ID 0x10EC
Model ID 0x8168

Revision ID	0x0C
Description	USB Controller
Location	bus 3 (0x03), device 0 (0x00), function 0 (0x00)
Common header	
Vendor ID	0x1106
Model ID	0x3483
Revision ID	0x01

DMI

DMI BIOS

vendor	American Megatrends Inc.
version	F2
date	04/01/2015
ROM size	4096 KB

DMI System Information

manufacturer	Gigabyte Technology Co. Ltd.
product	To be filled by O.E.M.
version	To be filled by O.E.M.
serial	To be filled by O.E.M.
UUID	{038D0240-045C-055B-4506-EA0700080009}
SKU	To be filled by O.E.M.
family	To be filled by O.E.M.

DMI Baseboard

vendor	Gigabyte Technology Co. Ltd.
model	990XA-UD3 R5
revision	x.x
serial	To be filled by O.E.M.

DMI System Enclosure

manufacturer	Gigabyte Technology Co. Ltd.
chassis type	Desktop
chassis serial	To Be Filled By O.E.M.

DMI Processor

manufacturer	AMD
model	AMD FX(tm)-6350 Six-Core Processor
clock speed	3900.0 MHz
FSB speed	200.0 MHz
multiplier	19.5x

DMI Memory Controller

correction	64-bit ECC
Max module size	2048 MBytes

DMI Memory Module	
designation	DIMM0
size	536870912 MBytes (single bank)
DMI Memory Module	
designation	DIMM1
size	536870912 MBytes (single bank)
DMI Memory Module	
designation	DIMM2
size	536870912 MBytes (single bank)
DMI Memory Module	
designation	DIMM3
size	536870912 MBytes (single bank)
DMI Port Connector	
designation	J1A1 (internal)
designation	PS2Mouse (external)
port type	Mouse Port
connector	PS/2
DMI Port Connector	
designation	J1A1 (internal)
designation	Keyboard (external)
port type	Keyboard Port
connector	PS/2
DMI Port Connector	
designation	J2A1 (internal)
designation	TV Out (external)
connector	Mini Centronics Type-14
DMI Port Connector	
designation	J2A2A (internal)
designation	COM A (external)
port type	Serial Port 16550A
connector	DB-9 male
DMI Port Connector	
designation	J2A2B (internal)
designation	Video (external)
port type	Video Port
connector	DB-15 female
DMI Port Connector	

designation	J3A1 (internal)
designation	USB1 (external)
port type	USB
connector	Access Bus (USB)
DMI Port Connector	
designation	J3A1 (internal)
designation	USB2 (external)
port type	USB
connector	Access Bus (USB)
DMI Port Connector	
designation	J3A1 (internal)
designation	USB3 (external)
port type	USB
connector	Access Bus (USB)
DMI Port Connector	
designation	J9A1 - TPM HDR (internal)
DMI Port Connector	
designation	J9C1 - PCIE DOCKING CONN (internal)
DMI Port Connector	
designation	J2B3 - CPU FAN (internal)
DMI Port Connector	
designation	J6C2 - EXT HDMI (internal)
DMI Port Connector	
designation	J3C1 - GMCH FAN (internal)
DMI Port Connector	
designation	J1D1 - ITP (internal)
DMI Port Connector	
designation	J9E2 - MDC INTPSR (internal)
DMI Port Connector	
designation	J9E4 - MDC INTPSR (internal)
DMI Port Connector	
designation	J9E3 - LPC HOT DOCKING (internal)
DMI Port Connector	
designation	J9E1 - SCAN MATRIX (internal)

DMI Port Connector designation	J9G1 - LPC SIDE BAND (internal)
DMI Port Connector designation	J8F1 - UNIFIED (internal)
DMI Port Connector designation	J6F1 - LVDS (internal)
DMI Port Connector designation	J2F1 - LAI FAN (internal)
DMI Port Connector designation	J2G1 - GFX VID (internal)
DMI Port Connector designation	J1G6 - AC JACK (internal)
DMI Extension Slot designation	J6B2
DMI Extension Slot type	A5
DMI Extension Slot populated	yes
DMI Extension Slot designation	J6B1
DMI Extension Slot type	A5
DMI Extension Slot populated	yes
DMI Extension Slot designation	J6D1
DMI Extension Slot type	A5
DMI Extension Slot populated	yes
DMI Extension Slot designation	J7B1
DMI Extension Slot type	A5
DMI Extension Slot populated	yes
DMI OEM Strings	
string[0]	To Be Filled By O.E.M.
string[1]	To Be Filled By O.E.M.
string[2]	To Be Filled By O.E.M.
string[3]	To Be Filled By O.E.M.
string[4]	To Be Filled By O.E.M.
DMI Physical Memory Array location	Motherboard

usage	System Memory
correction	None
max capacity	32768 MBytes
max# of devices	4

DMI Memory Device

designation	Node0_Dimm0
format	DIMM
type	unknown
data width	64 bits

DMI Memory Device

designation	Node0_Dimm1
format	DIMM
type	unknown
total width	64 bits
data width	64 bits
size	4096 MBytes

DMI Memory Device

designation	Node0_Dimm2
format	DIMM
type	unknown
data width	64 bits

DMI Memory Device

designation	Node0_Dimm3
format	DIMM
type	unknown
total width	64 bits
data width	64 bits
size	4096 MBytes

Graphics

Number of adapters	1
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Graphic APIs

API	ATI I/O
API	ADL SDK

Display Adapters

Display adapter 0

Name	AMD Radeon (TM) R9 380 Series
Board Manufacturer	Micro-Star International Co., Ltd. (MSI)
Memory size	4095 MB
PCI device	bus 1 (0x1), device 0 (0x0), function 0 (0x0)

Vendor ID	0x1002 (0x1462)
Model ID	0x6939 (0x2015)
Performance Level	0
Performance Level	1

Win32_VideoController	AdapterRAM = 0xFFFF0000 (4293918720)
Win32_VideoController	DriverVersion = 26.20.15019.19000
Win32_VideoController	DriverDate = 02/28/2020

Monitor 0

Model	F22 (AOC International)
ID	AOC2200
Serial	APWBAHA137204
Manufacturing Date	Week 41, Year 2011
Size	21.1 inches
Max Resolution	1920 x 1080 @ 60 Hz
Horizontal Freq. Range	30-83 kHz
Vertical Freq. Range	50-75 Hz
Max Pixel Clock	210 MHz
Gamma Factor	2.2

Software

Windows Version	Microsoft Windows 10 (10.0) Professional 64-bit (Build 18362)
DirectX Version	12.0