```
CPU-Z TXT Report
-------------------------------------------------------------------------

Binaries
-------------------------------------------------------------------------

CPU-Z version             1.91.0.x64

Processors
-------------------------------------------------------------------------

Number of sockets      1
Number of threads      8

APICs
-------------------------------------------------------------------------

Socket 0
     -- Core 0 (ID 0)
           -- Thread 0 0
           -- Thread 1 1
     -- Core 1 (ID 1)
           -- Thread 2 2
           -- Thread 3 3
     -- Core 2 (ID 2)
           -- Thread 4 4
           -- Thread 5 5
     -- Core 3 (ID 3)
           -- Thread 6 6
           -- Thread 7 7

Timers
-------------------------------------------------------------------------

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


Processors Information
-------------------------------------------------------------------------

Socket 1              ID = 0
     Number of cores       4 (max 4)
     Number of threads 8 (max 8)
     Manufacturer          GenuineIntel
     Name                  Intel Core i7 6700K
     Codename        Skylake
     Specification         Intel(R) Core(TM) i7-6700K CPU @ 4.00GHz
     Package (platform ID)  Socket 1151 LGA (0x1)
     CPUID           6.E.3
     Extended CPUID        6.5E
     Core Stepping         R0
     Technology      14 nm
```

```
TDP Limit            95.0 Watts
Tjmax               100.0 °C
Core Speed          4309.5 MHz
Multiplier x Bus Speed 43.0 x 100.2 MHz
Base frequency (cores) 100.2 MHz
Base frequency (ext.)  100.2 MHz
Stock frequency       4000 MHz
Max frequency         4300 MHz
Instructions setsMMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2,
EM64T, VT-x, AES, AVX, AVX2, FMA3, TSX
Microcode Revision    0xCC
L1 Data cache         4 x 32 KBytes, 8-way set associative, 64-
byte line size
L1 Instruction cache  4 x 32 KBytes, 8-way set associative, 64-
byte line size
L2 cache              4 x 256 KBytes, 4-way set associative, 64-byte
line size
L3 cache              8 MBytes, 16-way set associative, 64-byte line
size
Max CPUID level       00000016h
Max CPUID ext. level  80000008h
Cache descriptor Level 1, D, 32 KB, 2 thread(s)
Cache descriptor Level 1, I, 32 KB, 2 thread(s)
Cache descriptor Level 2, U, 256 KB, 2 thread(s)
Cache descriptor Level 3, U, 8 MB, 16 thread(s)
FID/VID Control       yes


Turbo Mode            supported, enabled
Max non-turbo ratio   40x
Max turbo ratio       43x
Max efficiency ratio  8x
O/C bins              unlimited
Ratio 1 core          43x
Ratio 2 cores         43x
Ratio 3 cores         43x
Ratio 4 cores         43x
IA Voltage Mode       PCU adaptive
IA Voltage Offset0 mV
GT Voltage Mode       PCU adaptive
GT Voltage Offset0 mV
LLC/Ring Voltage Mode  PCU adaptive
LLC/Ring Voltage Offset     0 mV
Agent Voltage Mode    PCU adaptive
Agent Voltage Offset  0 mV
TDP Level             95.0 W @ 40x


Temperature 0          57 degC (134 degF) (Package)
Temperature 1          53 degC (127 degF) (Core #0)
Temperature 2          54 degC (129 degF) (Core #1)
Temperature 3          56 degC (132 degF) (Core #2)
Temperature 4          51 degC (123 degF) (Core #3)
Voltage 0          1.22 Volts (VID)
Voltage 1          +0.00 Volts (IA Offset)
```

```
        Voltage 2            +0.00 Volts (GT Offset)
        Voltage 3            +0.00 Volts (LLC/Ring Offset)
        Voltage 4            +0.00 Volts (System Agent Offset)
        Power 00             43.02 W (Package)
        Power 01             31.77 W (IA Cores)
        Power 02             n.a. (GT)
        Power 03             11.25 W (Uncore)
        Power 04             1.09 W (DRAM)
        Clock Speed 0           4309.46 MHz (Core #0)
        Clock Speed 1           4309.46 MHz (Core #1)
        Clock Speed 2           4309.46 MHz (Core #2)
        Clock Speed 3           4309.46 MHz (Core #3)
        Core 0 max ratio 43.0 (effective 43.0)
        Core 1 max ratio 43.0 (effective 43.0)
        Core 2 max ratio 43.0 (effective 43.0)
        Core 3 max ratio 43.0 (effective 43.0)


    BIOS
    ------------------------------------------------------------------------

    UEFI                 Yes
    BIOS Vendor          American Megatrends Inc.
    BIOS MSG             63-0100-000001-00101111-051315-Chipset
    BIOS Date            05/13/15
    Mainboard Vendor     000001

    Chipset
    ------------------------------------------------------------------------

    Northbridge          Intel Skylake rev. 07
    Southbridge          Intel Z170 rev. 31
    Graphic Interface    PCI-Express
    PCI-E Link Width     x16
    PCI-E Max Link Width      x16
    Memory Type          DDR4
    Memory Size          16 GBytes
    Channels             Dual
    Memory Frequency     1069.8 MHz (1:16)
    CAS# latency (CL)    15.0
    RAS# to CAS# delay (tRCD)    15
    RAS# Precharge (tRP)         15
    Cycle Time (tRAS)    36
    Row Refresh Cycle Time (tRFC)     374
    Command Rate (CR)    2T
    Uncore Frequency     4008.8 MHz
    Host Bridge          0x191F


    Memory SPD
    ------------------------------------------------------------------------

    DIMM #                       1
        SMBus address            0x51
```

```
     Memory type          DDR4
     Module format            UDIMM
     Module Manufacturer(ID)      Corsair (7F7F9E0000000000000000)
     SDRAM Manufacturer (ID)      SK Hynix (AD00000000000000000000)
     Size              8192 MBytes
     Max bandwidth          DDR4-2132 (1066 MHz)
     Part number        CMK16GX4M2A2133C13
     Nominal Voltage          1.20 Volts
     EPP                no
     XMP                yes
     XMP revision          2.0
     AMP                no

     SMBus address          0x53
     Memory type          DDR4
     Module format            UDIMM
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     SDRAM Manufacturer (ID)      SK Hynix (AD00000000000000000000)
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     Nominal Voltage          1.20 Volts
     EPP                no
     XMP                yes
     XMP revision          2.0
     AMP                no
JEDEC timings table          CL-tRCD-tRP-tRAS-tRC @ frequency
     JEDEC #1           9.0-9-10-22-31 @ 666 MHz
     JEDEC #2           10.0-10-11-25-35 @ 740 MHz
     JEDEC #3           11.0-11-12-27-38 @ 814 MHz
     JEDEC #4           12.0-12-13-30-42 @ 888 MHz
     JEDEC #5           13.0-13-14-32-45 @ 962 MHz
     JEDEC #6           14.0-14-15-35-49 @ 1037 MHz
     JEDEC #7           15.0-15-15-36-50 @ 1066 MHz
     JEDEC #8           16.0-15-15-36-50 @ 1066 MHz
XMP profile          XMP-2132
     Specification          DDR4-2132
     Voltage level          1.200 Volts
Volts)



Monitoring
-------------------------------------------------------------------------------

Mainboard Model          Z170A GAMING M7 (MS-7976) (0x000005C5 -
0x4D21C4E9)


Hardware monitor          NVIDIA NVAPI
     Voltage 0          0.63 Volts [0x271] (GPU)
     Power 0              12.97 pc (GPU)
     Temperature 0          43 degC (109 degF) [0x2B] (GPU)
     Fan 0              0 RPM [0x0] (GPU #0)
```

```
        Fan PWM 0           0 pc [0x0] (FANPWMIN0)
        Clock Speed 0           139.00 MHz [0x8B] (Graphics)
        Clock Speed 1           405.00 MHz [0x195] (Memory)
        Clock Speed 2           n.a. (Processor)



DMI
-----------------------------------------------------------------------

SMBIOS Version          3.0

DMI BIOS
        vendor                  American Megatrends Inc.
        version                 1.80
        date            10/21/2015
        ROM size        16384 KB

DMI System Information
        manufacturer        MSI
        product             MS-7976
        version             1.0
        serial              Default string
        UUID            {00000000-0000-0000-0000-D8CB8AE625BD}
        SKU             Default string
        family              Default string

DMI Baseboard
        vendor              MSI
        model           Z170A GAMING M7 (MS-7976)
        revision        1.0
        serial              FB16346636

DMI System Enclosure
        manufacturer        MSI
        chassis type        Desktop
        chassis serial      Default string

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      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 Memory Device
     designation        ChannelA-DIMM1
     format                  DIMM
     type               DDR4
     total width        64 bits
     data width         64 bits
     size               8 GB

DMI Memory Device
     designation        ChannelB-DIMM0
     format                  unknown
     type               unknown

DMI Memory Device
     designation        ChannelB-DIMM1
     format                  DIMM
     type               DDR4
     total width        64 bits
     data width         64 bits
     size               8 GB
```

Storage

```
Drive 0
     Name          Samsung SSD 860 QVO 1TB
     Revision      RVQ01B6Q
     Serial             S4CZNF0MB53037A
     Capacity      931.5 GB
     Type          Fixed, SSD
     Bus Type      SATA (11)
     Features      SMART, TRIM
     Volume             c:\, 829.9 GBytes (25.8 percent available)
     Volume             d:\, 100.5 GBytes (87.7 percent available)
```

USB Devices

```
USB Device          Dispositivo USB composito, class=0x00,
subclass=0x00, vendor=0x046D, product=0xC08F
USB Device          Dispositivo USB composito, class=0x00,
subclass=0x00, vendor=0x041E, product=0x3225
USB Device          Dispositivo USB composito, class=0x00,
subclass=0x00, vendor=0x046D, product=0xC33A
USB Device          Dispositivo di input USB, class=0x00,
subclass=0x00, vendor=0x041E, product=0x3123
USB Device          Dispositivo USB composito, class=0xEF,
subclass=0x02, vendor=0x041E, product=0x40A0
```

Graphics

```
Number of adapters          1

Graphic APIs
--------------------------------------------------------------------------

API                D3D
API                NVIDIA I/O
API                NVIDIA NVAPI

Display Adapters
--------------------------------------------------------------------------

Display adapter 0
      ID            0x1090306
      Name          NVIDIA GeForce GTX 1060 6GB
      Board Manufacturer    ZOTAC International Ltd.
      Revision      A1
      Codename      GP106
      Core family   0x136 (GP106)
      Technology    16 nm
      Memory size   6 GB
      Memory type   GDDR5
      Memory vendor     Micron
      PCI device    bus 1 (0x1), device 0 (0x0), function 0 (0x0)
      Vendor ID     0x10DE (0x19DA)
      Model ID      0x1C03 (0x1438)
      Revision ID   0xA1
      Performance Level0
            Core clock 1556.5 MHz
            Memory clock    4006.8 MHz

Win32_VideoController     AdapterRAM = 0xFFF00000 (4293918720)
Win32_VideoController     DriverVersion = 31.0.15.3699
Win32_VideoController     DriverDate = 08/04/2023

Monitor 0
      Model         S24D330 (Samsung)
      ID            SAM0D92
      Serial
      Manufacturing Date    Week 30, Year 2016
      Size          24.0 inches
      Max Resolution        1920 x 1080 @ 60 Hz
      Horizontal Freq. Range 30-81 kHz
      Vertical Freq. Range  50-75 Hz
      Max Pixel Clock       170 MHz
      Gamma Factor          2.2

Monitor 1
      Model         BenQ GL2480 ()
      ID            BNQ78ED
      Serial                ETN9K04008SL0
      Manufacturing Date    Week 38, Year 2019
      Size          24.0 inches
      Max Resolution        1920 x 1080 @ 60 Hz
```

```
      Horizontal Freq. Range 30-83 kHz
      Vertical Freq. Range   50-76 Hz
      Max Pixel Clock        210 MHz
      Gamma Factor           2.2


Software
------------------------------------------------------------------------

Windows Version           Microsoft Windows 10 (10.0) Professional 64-
bit    (Build 19045)
DirectX Version           12.0


Register Spaces
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Register space            PCI
Register space            PCI #2
Register space            PCI Express, base address = 0x0E0000000
Register space            SMBus, base address = 0x0F000
Register space            LPC, base address = 0x0A20
Register space            LPC, base address = 0x04E
```