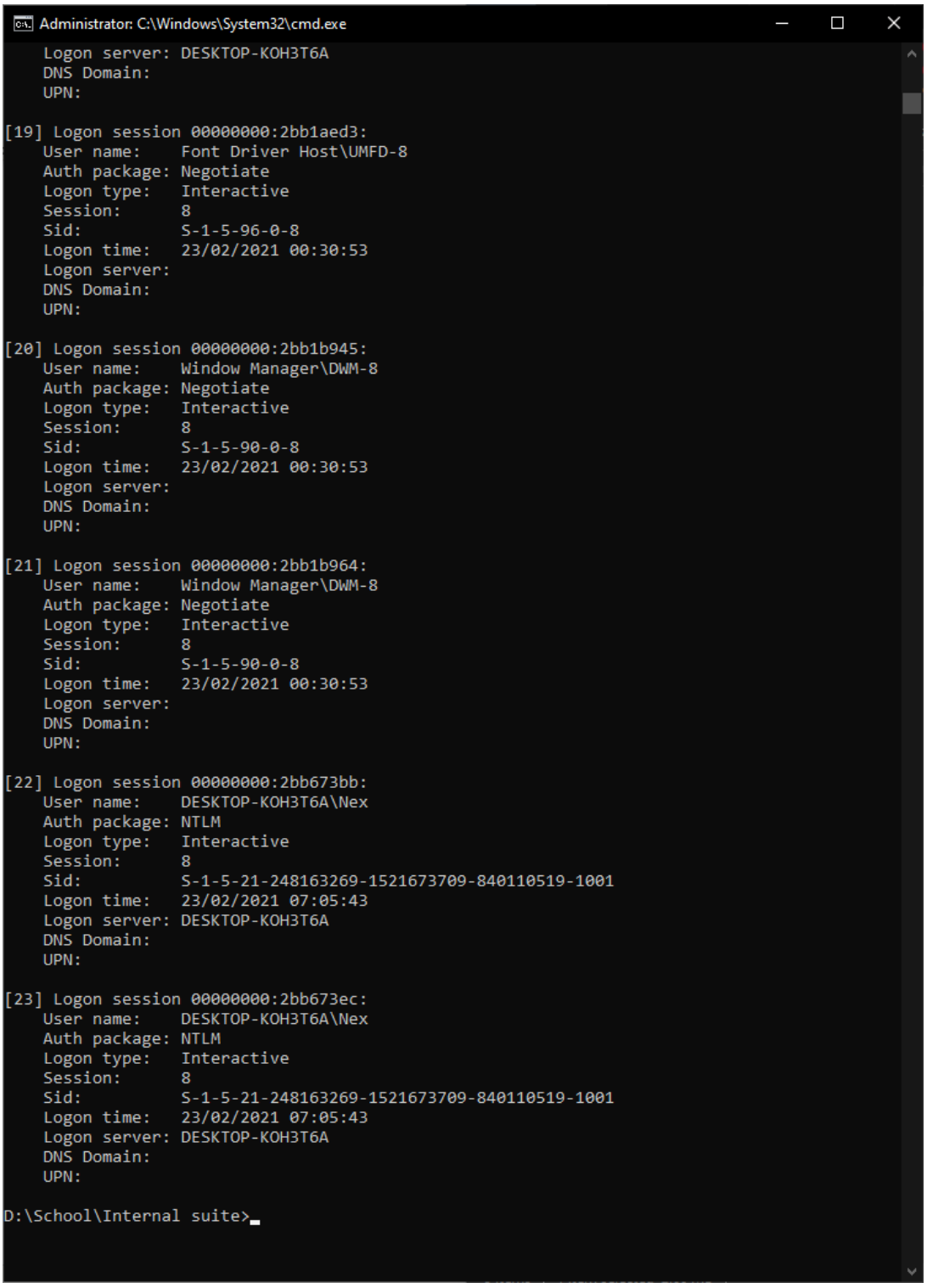
A Windows OS külső segédprogramjainak használata

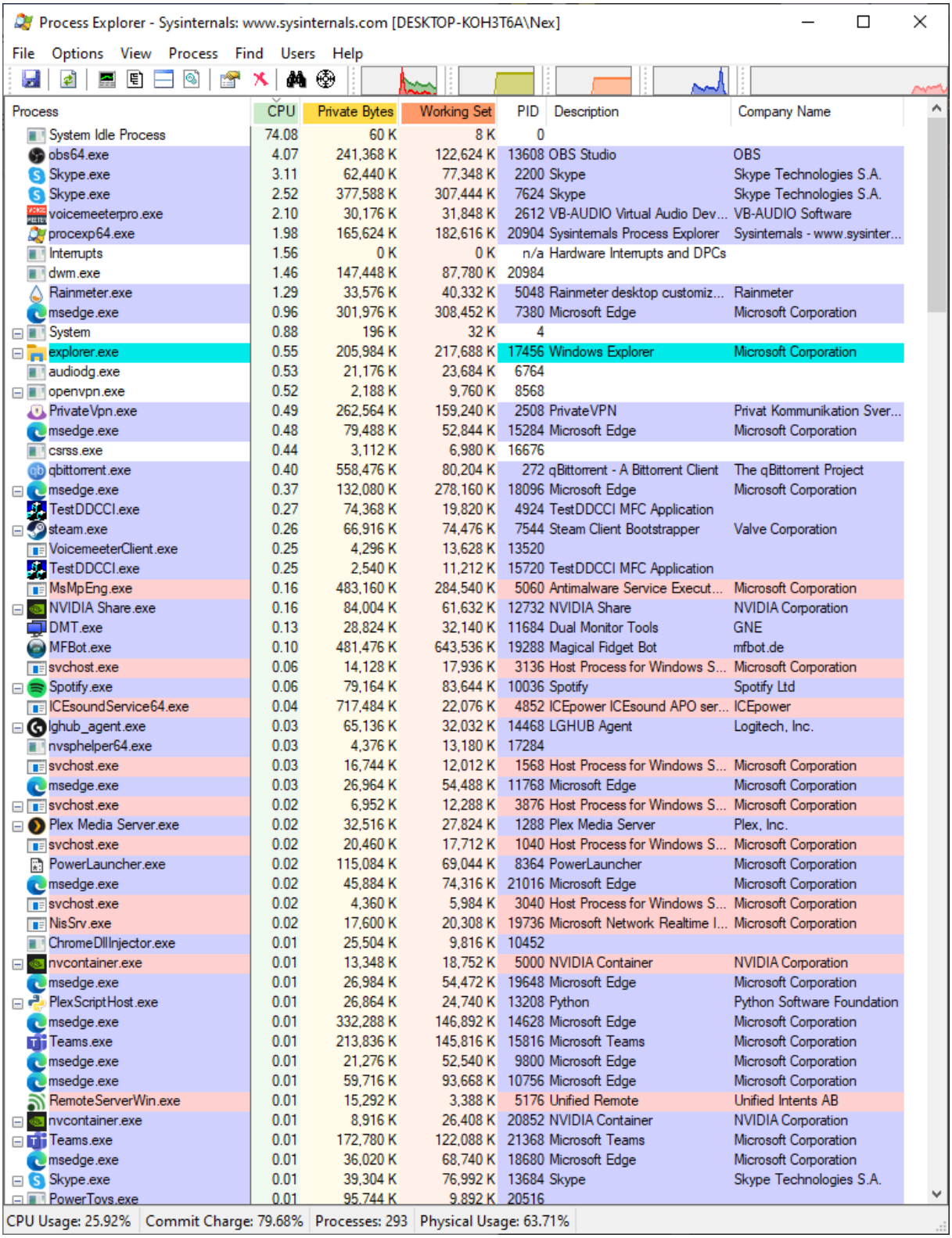
LogonSession:

Megmutatja melyik felhasználó lépett be a rendszerbe és mikor.



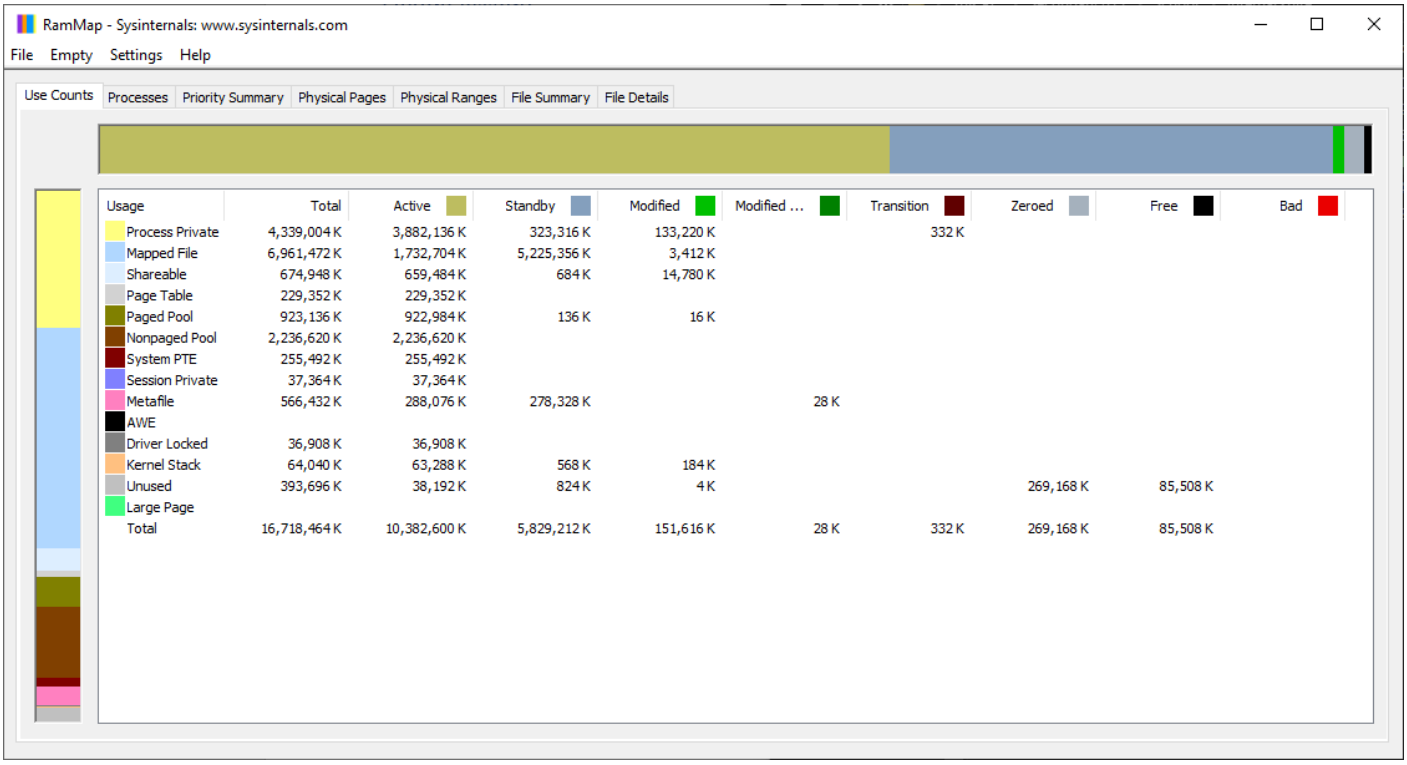
Process Utilities(Process Explorer):

Processzek tulajdonságait viszgálhatjuk, erőforrások eloszlását.



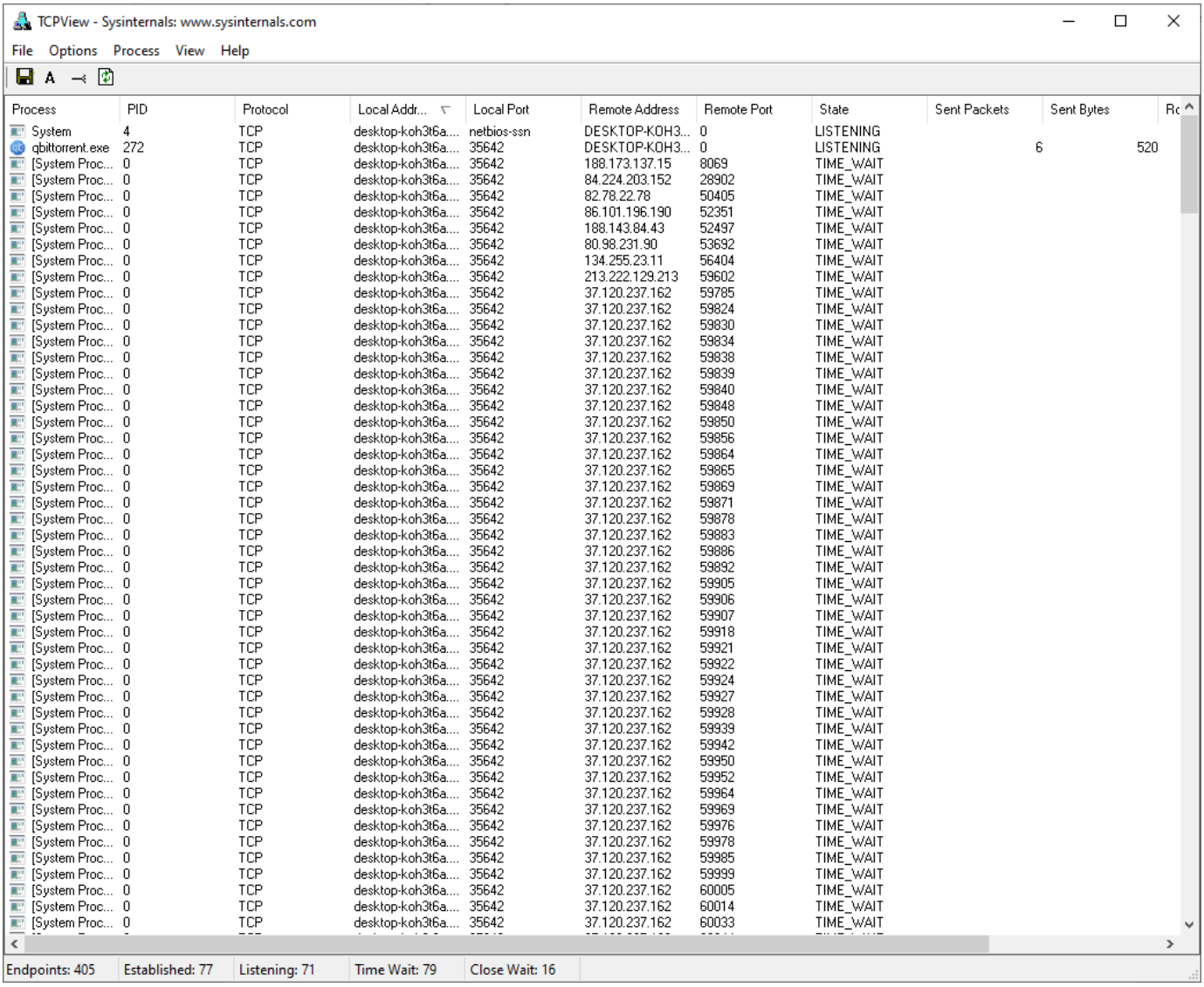
RamMap:

RAM eloszlását vizualizálja kategóriákra osztva, itt akár fel is szabadíthatunk memóriát.



TCPView:

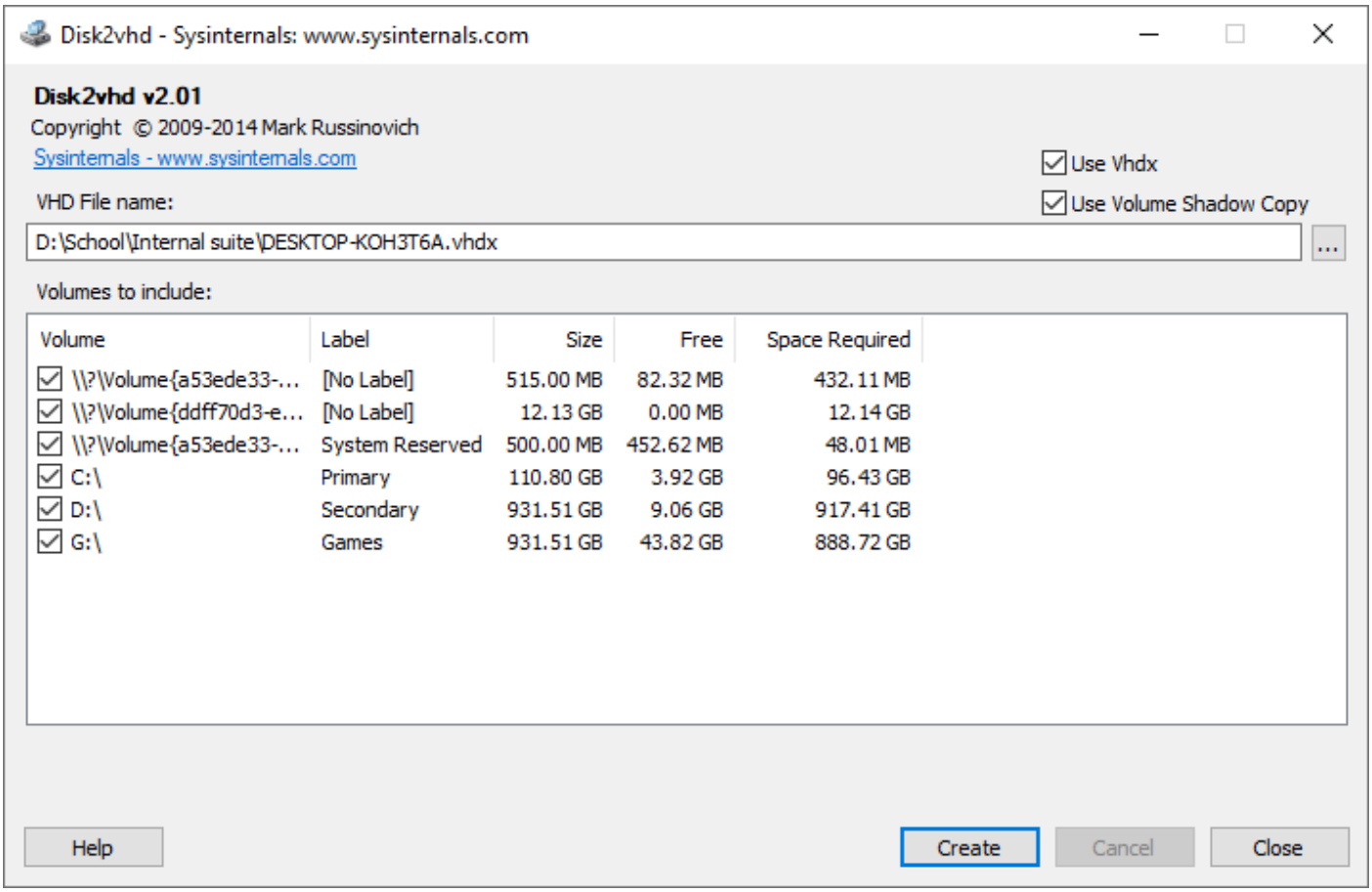
Megtekinthetjük milyen processzek csatlakoznak az internethez, melyik portot, IP címet használják milyen protokoll segítségével.



Process	PID	Protocol	Local Addr...	Local Port	Remote Address	Remote Port	State	Sent Packets	Sent Bytes	Rc
System	4	TCP	desktop-koh3t6a....	netbios-ssn	DESKTOP-KOH3...	0	LISTENING			
qbittorrent.exe	272	TCP	desktop-koh3t6a....	35642	DESKTOP-KOH3...	0	LISTENING	6	520	
[System Proc...	0	TCP	desktop-koh3t6a....	35642	188.173.137.15	8069	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	84.224.203.152	28902	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	82.78.22.78	50405	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	86.101.196.190	52351	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	188.143.84.43	52497	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	80.98.231.90	53692	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	134.255.23.11	56404	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	213.222.129.213	59602	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59785	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59824	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59830	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59834	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59838	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59839	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59840	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59848	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59850	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59856	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59864	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59865	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59869	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59871	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59878	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59883	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59886	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59892	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59905	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59906	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59907	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59918	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59921	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59922	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59924	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59927	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59928	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59939	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59942	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59950	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59952	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59964	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59969	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59976	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59978	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59985	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	59999	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	60005	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	60014	TIME_WAIT			
[System Proc...	0	TCP	desktop-koh3t6a....	35642	37.120.237.162	60033	TIME_WAIT			

Disk2vhd:

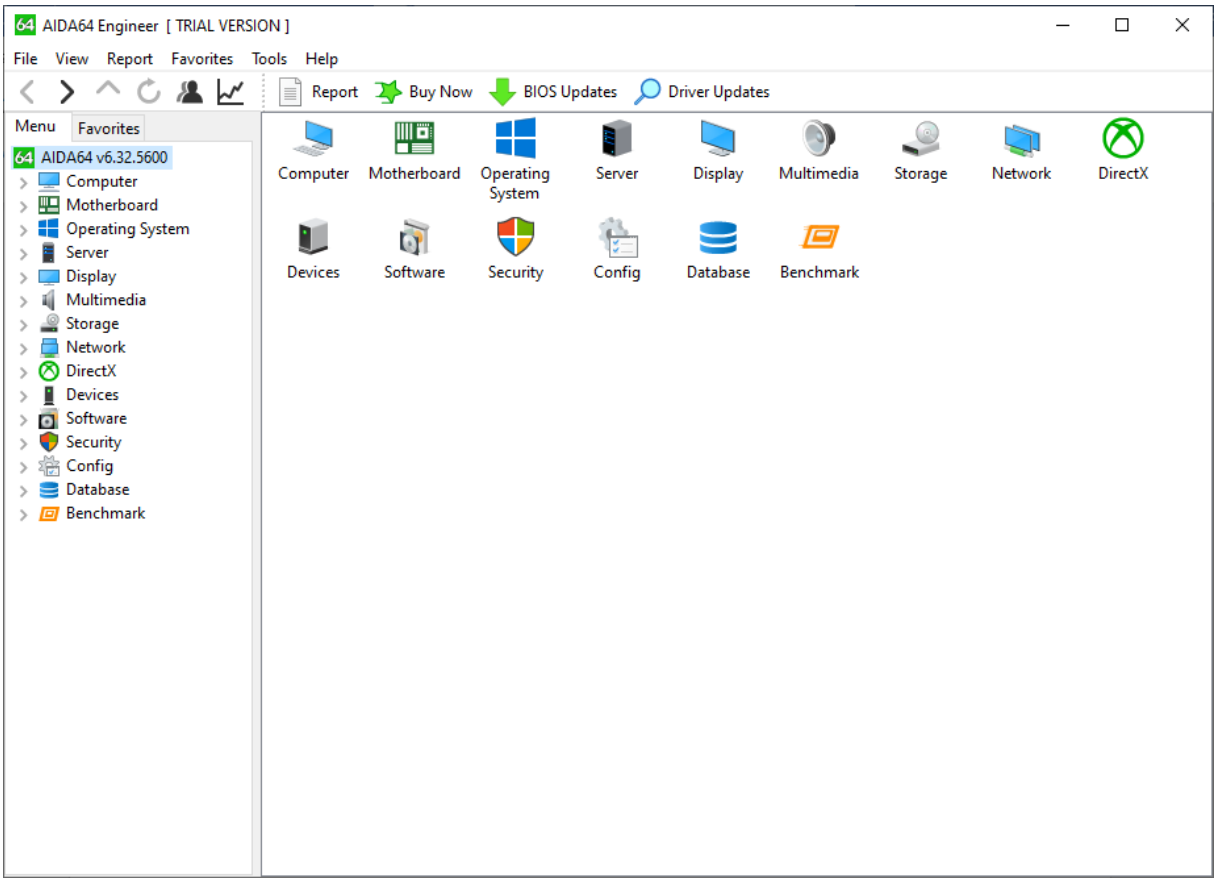
Át lehet alakítani egy tetszőlegesen kiválasztható háttértárat VHD-re.



Vizsgálatok programokkal

AIDA64_Engineer:

Reportokat lehet készíteni a rendszerhez kapcsolt harverek-ről, szoftverekről, driverekről, háttértárakról, GPU/CPU -ról, és a RAM-ról is.



AIDA64 Engineer(Csak az összefoglaló része)

Version	AIDA64 v6.32.5600
Benchmark Module	4.5.841.8-x64
Homepage	http://www.aida64.com/
Report Type	Report Wizard [TRIAL VERSION]

Computer	DESKTOP-KOH3T6A
Generator	Nex
Operating System	Microsoft Windows 10 Pro 10.0.19042.804 (Win10 20H2 October 2020 Update)
Date	2021-02-23
Time	16:04

Summary

Computer:

Computer Type	ACPI x64-based PC
Operating System	Microsoft Windows 10 Pro
OS Service Pack	[TRIAL VERSION]
Internet Explorer	11.789.19041.0
Edge	88.0.705.74
DirectX	DirectX 12.0
Computer Name	DESKTOP-KOH3T6A
User Name	Nex
Logon Domain	[TRIAL VERSION]
Date / Time	2021-02-23 / 16:04

Motherboard:

CPU Type	HexaCore Intel Core i5-9400F, 3900 MHz (39 x 100)
Motherboard Name	Gigabyte H310M H 2.0 (2 PCI-E x1, 1 PCI-E x16, 2 DDR4 DIMM, Audio, Video, Gigabit LAN)
Motherboard Chipset	Intel Kaby Point H310C, Intel Coffee Lake-S
System Memory	[TRIAL VERSION]
DIMM1: G Skill Aegis F4-3000C16-8GISB	8 GB DDR4-3000 DDR4 SDRAM (16-18-18-38 @ 1501 MHz)
DIMM3: G Skill Aegis F4-3000C16-8GISB	[TRIAL VERSION]
BIOS Type	AMI (08/13/2019)

Display:

Video Adapter	GeForce GTX 1660 SUPER (6 GB)

Video Adapter	GeForce GTX 1660 SUPER (6 GB)
Video Adapter	GeForce GTX 1660 SUPER (6 GB)
Video Adapter	GeForce GTX 1660 SUPER (6 GB)
3D Accelerator	nVIDIA GeForce GTX 1660 Super
Monitor	Asus VW195 [19" LCD] (83LMQS020467)
Monitor	LG 24MB56 (HDMI) [24" LCD] (220516843009)

Multimedia:

Audio Adapter	nVIDIA TU116 HDMI/DP @ nVIDIA TU116 - High Definition Audio Controller
Audio Adapter	Realtek ALC887 @ Intel Kaby Point PCH - High Definition Audio Controller (Audio, Voice, Speech)

Storage:

IDE Controller	Intel(R) 300 Series Chipset Family SATA AHCI Controller
Storage Controller	Microsoft Storage Spaces Controller
Storage Controller	Xvdd SCSI Miniport
Disk Drive	KINGSTON SV300S37A120G (120 GB, SATA-III)
Disk Drive	ST1000DM010-2EP102 (1 TB, 7200 RPM, SATA-III)
Disk Drive	TOSHIBA DT01ACA100 (1 TB, 7200 RPM, SATA-III)
Disk Drive	Xvd (12 GB)
SMART Hard Disks Status	OK

Partitions:

C: (NTFS)	[TRIAL VERSION]
D: (NTFS)	931.5 GB (8.9 GB free)
G: (NTFS)	931.5 GB (43.8 GB free)
Total Size	[TRIAL VERSION]

Input:

Keyboard	HID Keyboard Device
Keyboard	HID Keyboard Device
Keyboard	HID Keyboard Device
Keyboard	HID Keyboard Device

Keyboard	HID Keyboard Device
Keyboard	HID Keyboard Device
Mouse	HID-compliant mouse
Mouse	HID-compliant mouse
Mouse	HID-compliant mouse
Mouse	HID-compliant mouse
Mouse	HID-compliant mouse

Network:

Primary IP Address	[TRIAL VERSION]
Primary MAC Address	18-C0-4D-0B-DC-21
Network Adapter	Realtek Gaming GbE Family Controller (192. [TRIAL VERSION])
Network Adapter	TAP-Windows Adapter V9 (10.3 [TRIAL VERSION])
Network Adapter	VirtualBox Host-Only Ethernet Adapter (192. [TRIAL VERSION])

Peripherals:

Printer	Canon MG4100 series Printer
Printer	Fax
Printer	Microsoft Print to PDF
Printer	Microsoft XPS Document Writer
Printer	OneNote (Desktop)
Printer	OneNote for Windows 10
USB1 Controller	nVIDIA TU116 - USB Type-C Port Policy Controller
USB3 Controller	Intel Kaby Point PCH - USB 3.1 xHCI Host Controller
USB3 Controller	nVIDIA TU116 - USB Type-C xHCI Controller
USB Device	USB 2.0 Camera
USB Device	USB Camera
USB Device	USB Composite Device
USB Device	USB Composite Device
USB Device	USB Composite Device
USB Device	USB Composite Device
USB Device	USB Input Device
USB Device	USB Input Device
USB Device	USB Input Device

USB Device	USB Input Device
USB Device	USB Input Device
USB Device	USB Input Device
USB Device	USB Input Device
USB Device	USB Input Device

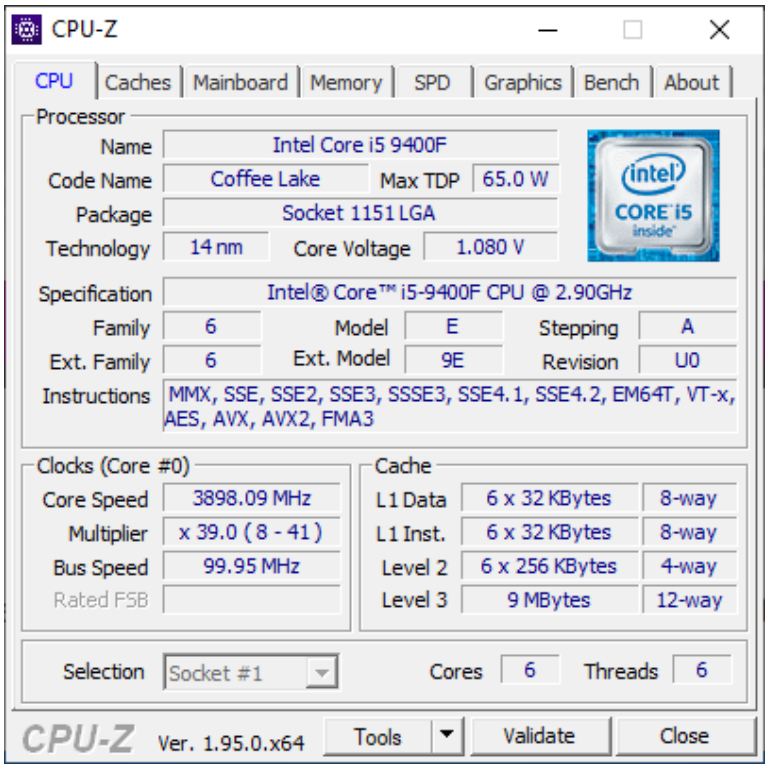
DMI:

DMI BIOS Vendor	American Megatrends Inc.
DMI BIOS Version	F12
DMI System Manufacturer	Gigabyte Technology Co., Ltd.
DMI System Product	H310M H 2.0
DMI System Version	Default string
DMI System Serial Number	[TRIAL VERSION]
DMI System UUID	[TRIAL VERSION]
DMI Motherboard Manufacturer	Gigabyte Technology Co., Ltd.
DMI Motherboard Product	H310M H 2.0
DMI Motherboard Version	x.x
DMI Motherboard Serial Number	[TRIAL VERSION]
DMI Chassis Manufacturer	Default string
DMI Chassis Version	Default string
DMI Chassis Serial Number	[TRIAL VERSION]
DMI Chassis Asset Tag	[TRIAL VERSION]
DMI Chassis Type	Desktop Case

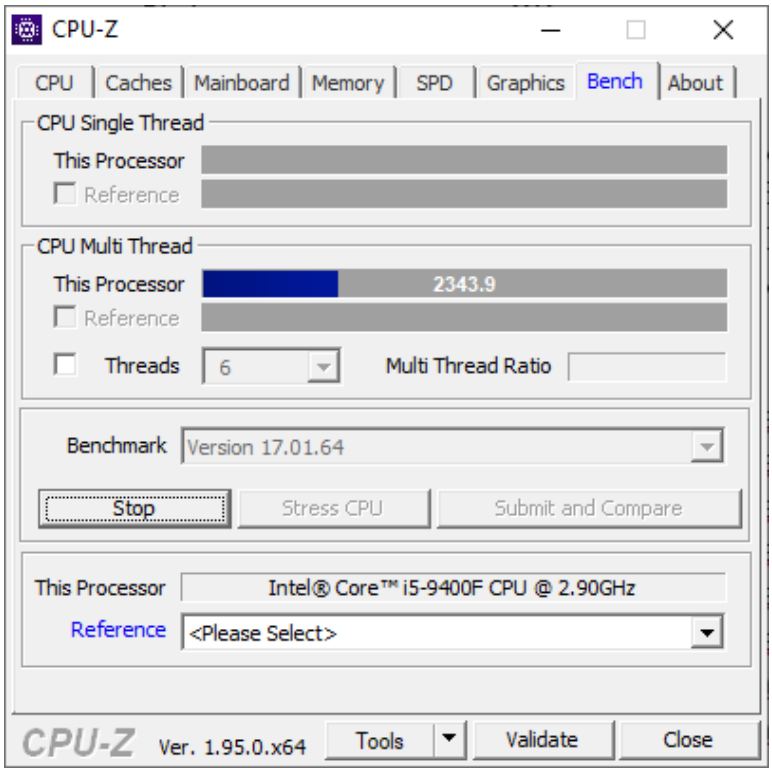
CPU-Z:

A processzorról tudunk egy részletes reportot készíteni. Frekvenciákat, órajelet, memóriát tudunk vele részletesen megvizsgálni, vagy akár egyfajta Benchmark-ot (teljesítménytesztet) is készíthetünk.

Áttekintés:



Benchmark:



CPUID
x86 technical resources

A report egy részletét szúrtam be, mert nagyon hosszú lenne egyébként.

CPU-Z	
Binaries	
CPU-Z version	1.95.0.x64
Processors	
CPU Groups	1
CPU Group 0	6 CPUs, mask=0x3F

Number of sockets	1
Number of threads	6

APICs	
Socket 0	
-- Core 0 (ID 0)	
-- Thread 0	0
-- Core 1 (ID 2)	
-- Thread 1	2
-- Core 2 (ID 4)	
-- Thread 2	4
-- Core 3 (ID 6)	
-- Thread 3	6
-- Core 4 (ID 8)	
-- Thread 4	8
-- Core 5 (ID 10)	
-- Thread 5	10

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	6 (max 6)
Number of threads	6 (max 6)
Manufacturer	GenuineIntel
Name	Intel Core i5 9400F
Codename	Coffee Lake
Specification	Intel(R) Core(TM) i5-9400F CPU @ 2.90GHz
Package (platform ID)	Socket 1151 LGA (0x1)
CPUID	6.E.A
Extended CPUID	6.9E
Core Stepping	U0
Technology	14 nm
TDP Limit	65.0 Watts
Tjmax	100.0 °C
Core Speed	3400.0 MHz
Multiplier x Bus Speed	34.0 x 100.0 MHz
Base frequency (cores)	100.0 MHz

Base frequency (ext.)	100.0 MHz
Stock frequency	2900 MHz
Max frequency	4100 MHz
Instructions sets	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, VT-x, AES, AVX, AVX2, FMA3
Microcode Revision	0xB4
L1 Data cache	6 x 32 KBytes, 8-way set associative, 64-byte line size
L1 Instruction cache	6 x 32 KBytes, 8-way set associative, 64-byte line size
L2 cache	6 x 256 KBytes, 4-way set associative, 64-byte line size
L3 cache	9 MBytes, 12-way set associative, 64-byte line size
Max CPUID level	00000016h
Max CPUID ext. level	80000008h
FID/VID Control	yes

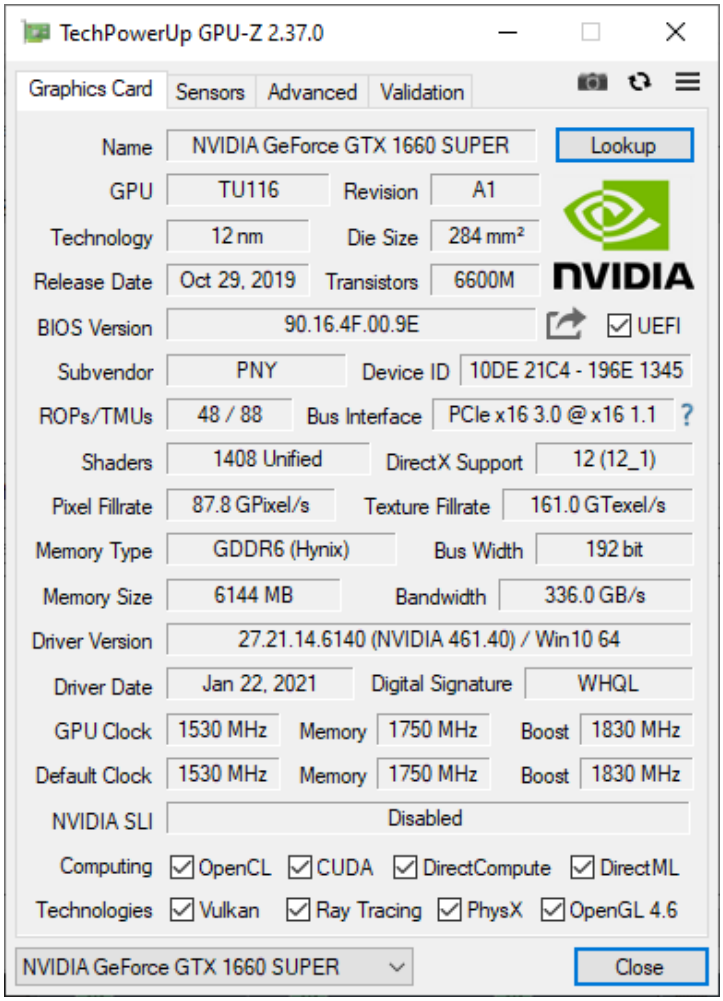
Turbo Mode	supported, enabled
Max non-turbo ratio	29x
Max turbo ratio	41x
Max efficiency ratio	8x
Speedshift	Autonomous
O/C bins	none
Ratio 1 core	41x
Ratio 2 cores	40x
Ratio 3 cores	40x
Ratio 4 cores	40x
Ratio 5 cores	39x
Ratio 6 cores	39x
IA Voltage Mode	PCU adaptive
IA Voltage Offset	0 mV
GT Voltage Mode	PCU adaptive
GT Voltage Offset	0 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	65.0 W @ 29x

Temperature 0	42 degC (107 degF) (Package)
Temperature 1	41 degC (105 degF) (Core #0)
Temperature 2	42 degC (107 degF) (Core #1)
Temperature 3	42 degC (107 degF) (Core #2)

Temperature 4	41 degC (105 degF) (Core #3)
Temperature 5	43 degC (109 degF) (Core #4)
Temperature 6	41 degC (105 degF) (Core #5)
Voltage 0	0.97 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	19.69 W (Package)
Power 01	7.80 W (IA Cores)
Power 02	n.a. (GT)
Power 03	11.89 W (Uncore)
Power 04	n.a. (DRAM)
Clock Speed 0	3400.00 MHz (Core #0)
Clock Speed 1	4000.00 MHz (Core #1)
Clock Speed 2	4000.00 MHz (Core #2)
Clock Speed 3	3700.00 MHz (Core #3)
Clock Speed 4	4000.00 MHz (Core #4)
Clock Speed 5	3100.00 MHz (Core #5)
Core 0 max ratio	41.0 (effective 40.0)
Core 1 max ratio	41.0 (effective 40.0)
Core 2 max ratio	41.0 (effective 40.0)
Core 3 max ratio	41.0 (effective 40.0)
Core 4 max ratio	41.0 (effective 40.0)
Core 5 max ratio	41.0 (effective 40.0)

GPU-Z:

A GPU-ról ír hasznos információkat. Szenzorokat vizsgálhatunk meg valósidejűleg frissítve. Készíthetünk ezekről a szenzorokról reportot is.



Date , GPU Clock [MHz] , Memory Clock [MHz] , GPU Temperature [°C] , Hot Spot [°C] , Fan Speed (%) [%] , Fan Speed (RPM) [RPM] , Memory Used [MB] , GPU Load [%] , Memory Controller Load [%] , Video Engine Load [%] , Bus Interface Load [%] , Board Power Draw [W] , GPU Chip Power Draw [W] , PCIe Slot Power [W] , PCIe Slot Voltage [V] , 8-Pin #1 Power [W] , 8-Pin #1 Voltage [V] , Power Consumption (%) [% TDP] , PerfCap Reason [] , GPU Voltage [V] , CPU Temperature [°C] , System Memory Used [MB] ,

2021-02-23 16:13:54 , 300.0 , 101.3 , 38.7 , 50.2 , 32 , 1044 , 838 , 9 , 5 , 0 , 1 , 12.1 , 2.4 , 9.7 , 12.4 , 2.4 , 12.5 , 9.7 , 16 , 0.6250 , 51.0 , 9125 ,