

## HWINFO beim Starten des Computers:

HWINFO64 v7.14-6610 Sensor Status				
Sensor	Current	Minimum	Maximum	Average
<b>System</b>				
Virtual Memory Committed	5,988 MB	5,887 MB	5,987 MB	5,929 MB
Virtual Memory Available	12,765 MB	12,763 MB	12,883 MB	12,842 MB
Virtual Memory Load	31.6 %	31.1 %	31.6 %	31.1 %
Physical Memory Used	4,493 MB	4,429 MB	4,499 MB	4,456 MB
Physical Memory Available	11,844 MB	11,839 MB	11,909 MB	11,882 MB
Physical Memory Load	27.1 %	27.1 %	27.1 %	27.1 %
Page File Usage	0.3 %	0.3 %	0.3 %	0.3 %
<b>CPU (x64) Intel Core i7-3...</b>				
Core VIDs	1.133 V	1.121 V	1.286 V	1.147 V
Core Clocks	1,600.0 MHz	1,600.0 MHz	3,800.0 MHz	1,746.4 MHz
Bus Clock	100.0 MHz	100.0 MHz	100.0 MHz	100.0 MHz
Core Effective Clocks	201.9 MHz	94.6 MHz	1,384.1 MHz	317.0 MHz
Average Effective Clock	201.9 MHz	167.0 MHz	1,001.8 MHz	317.0 MHz
Core Usage	6.3 %	0.0 %	40.6 %	10.5 %
Core 0 Usage	8.2 %	1.5 %	25.0 %	9.1 %
Core 1 Usage	9.0 %	0.7 %	23.6 %	9.7 %
Core 2 Usage	2.2 %	0.6 %	28.1 %	7.3 %
Core 3 Usage	6.0 %	4.5 %	40.6 %	15.7 %
Max CPU Thread Usage	9.0 %	4.5 %	40.6 %	15.9 %
Total CPU Usage	6.3 %	2.8 %	27.3 %	10.5 %
On-Demand Clock Modul...	100.0 %	100.0 %	100.0 %	100.0 %
Core Ratios	18.0 x	18.0 x	38.0 x	17.5 x
<b>GPU (x64) Intel Core i7-3...</b>				
Core Temperatures	36 °C	33 °C	52 °C	39 °C
Core Distance to TjMAX	68 °C	53 °C	72 °C	67 °C
GPU Package	41 °C	40 °C	52 °C	43 °C
Core Max	41 °C	40 °C	52 °C	43 °C
Core Thermal Throttling	No	No	No	No
Core Critical Tempera...	No	No	No	No
Core Power Limit Ext...	No	No	No	No
Package/Ring Thermal Th...	No	No	No	No
Package/Ring Critical Te...	No	No	No	No
Package/Ring Power Lim...	No	No	No	No
<b>GPU (x64) Intel Core i7-3...</b>				
GPU Package	40 °C	40 °C	52 °C	43 °C
GPU IA Cores	40 °C	40 °C	52 °C	43 °C
GPU GT Cores (Graphics)	37 °C	37 °C	46 °C	39 °C
GPU Package Power	11,622 W	11,202 W	23,379 W	13,126 W
IA Cores Power	5,863 W	5,424 W	12,254 W	7,282 W
PL1 Power Limit	77.0 W	77.0 W	77.0 W	77.0 W
PL2 Power Limit	96.3 W	96.3 W	96.3 W	96.3 W
<b>GPU (x64) Intel Core i7-3...</b>				
Core C0 Residency	10.4 %	5.5 %	45.5 %	15.3 %
Core C1 Residency	11.1 %	2.5 %	60.4 %	18.0 %
Core C6 Residency	75.1 %	4.3 %	87.5 %	61.6 %
<b>Memory Usage</b>				
Memory Clock	800.0 MHz	800.0 MHz	800.0 MHz	800.0 MHz
Memory Clock Ratio	8.00 x	8.00 x	8.00 x	8.00 x
Trim	9 T	9 T	9 T	9 T
Trim	9 T	9 T	9 T	9 T
Trim	9 T	9 T	9 T	9 T

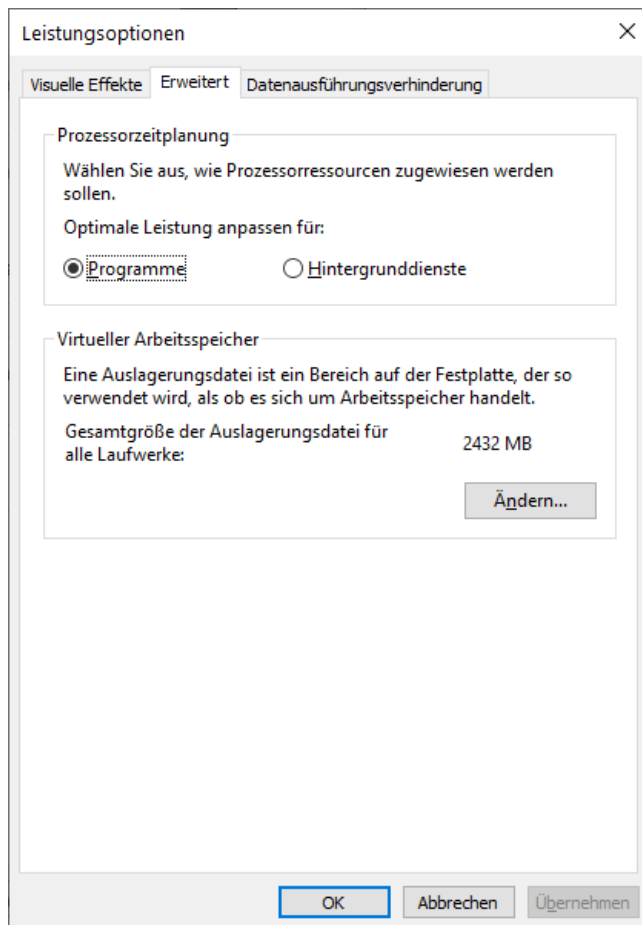
## Während der Arbeit

HWINFO64 v7.14-6610 Sensor Status				
Sensor	Current	Minimum	Maximum	Average
<b>System</b>				
Virtual Memory Committed	5,977 MB	5,685 MB	5,984 MB	5,882 MB
Virtual Memory Available	13,361 MB	13,155 MB	13,454 MB	13,256 MB
Virtual Memory Load	23.2 %	21.3 %	23.2 %	22.6 %
Physical Memory Used	2,728 MB	2,523 MB	2,754 MB	2,604 MB
Physical Memory Available	13,600 MB	13,584 MB	13,805 MB	13,655 MB
Physical Memory Load	15.7 %	15.5 %	16.8 %	16.4 %
Page File Usage	0.0 %	0.0 %	0.0 %	0.0 %
<b>CPU (x64) Intel Core i7-3...</b>				
Core VIDs	1.130 V	1.121 V	1.281 V	1.194 V
Core Clocks	1,600.0 MHz	1,600.0 MHz	3,800.0 MHz	2,514.2 MHz
Bus Clock	100.0 MHz	100.0 MHz	100.0 MHz	100.0 MHz
Core Effective Clocks	389.5 MHz	94.5 MHz	2,863.4 MHz	461.1 MHz
Average Effective Clock	389.5 MHz	159.7 MHz	2,759.7 MHz	461.1 MHz
Core Usage	13.3 %	0.0 %	80.1 %	12.8 %
Core 0 Usage	16.5 %	0.0 %	80.1 %	12.0 %
Core 1 Usage	12.8 %	3.0 %	77.0 %	14.5 %
Core 2 Usage	13.7 %	0.0 %	76.3 %	10.8 %
Core 3 Usage	11.4 %	2.2 %	74.0 %	14.0 %
Max CPU Thread Usage	16.0 %	3.7 %	80.1 %	17.3 %
Total CPU Usage	13.3 %	2.4 %	76.8 %	12.8 %
On-Demand Clock Modul...	100.0 %	100.0 %	100.0 %	100.0 %
Core Ratios	16.0 x	16.0 x	38.0 x	25.1 x
<b>GPU (x64) Intel Core i7-3...</b>				
Core Temperatures	43 °C	38 °C	66 °C	46 °C
Core Distance to TjMAX	62 °C	39 °C	67 °C	59 °C
GPU Package	46 °C	44 °C	67 °C	46 °C
Core Max	46 °C	44 °C	66 °C	49 °C
Core Thermal Throttling	No	No	No	No
Core Critical Tempera...	No	No	No	No
Core Power Limit Ext...	No	No	No	No
Package/Ring Thermal Th...	No	No	No	No
Package/Ring Critical Te...	No	No	No	No
Package/Ring Power Lim...	No	No	No	No
<b>GPU (x64) Intel Core i7-3...</b>				
GPU Package	47 °C	46 °C	67 °C	50 °C
GPU IA Cores	47 °C	46 °C	67 °C	50 °C
GPU GT Cores (Graphics)	40 °C	41 °C	55 °C	46 °C
GPU Package Power	14,225 W	11,095 W	44,364 W	16,382 W
IA Cores Power	8,385 W	5,299 W	38,171 W	10,316 W
PL1 Power Limit	77.0 W	77.0 W	77.0 W	77.0 W
PL2 Power Limit	96.3 W	96.3 W	96.3 W	96.3 W
<b>GPU (x64) Intel Core i7-3...</b>				
Core C0 Residency	15.8 %	3.4 %	79.3 %	16.2 %
Core C3 Residency	12.2 %	1.0 %	43.8 %	10.7 %
Core C6 Residency	66.2 %	0.1 %	90.5 %	66.6 %
<b>Memory Usage</b>				
Memory Clock	800.0 MHz	800.0 MHz	800.0 MHz	800.0 MHz
Memory Clock Ratio	8.00 x	8.00 x	8.00 x	8.00 x
Trim	9 T	9 T	9 T	9 T
Trim	9 T	9 T	9 T	9 T
Trim	9 T	9 T	9 T	9 T

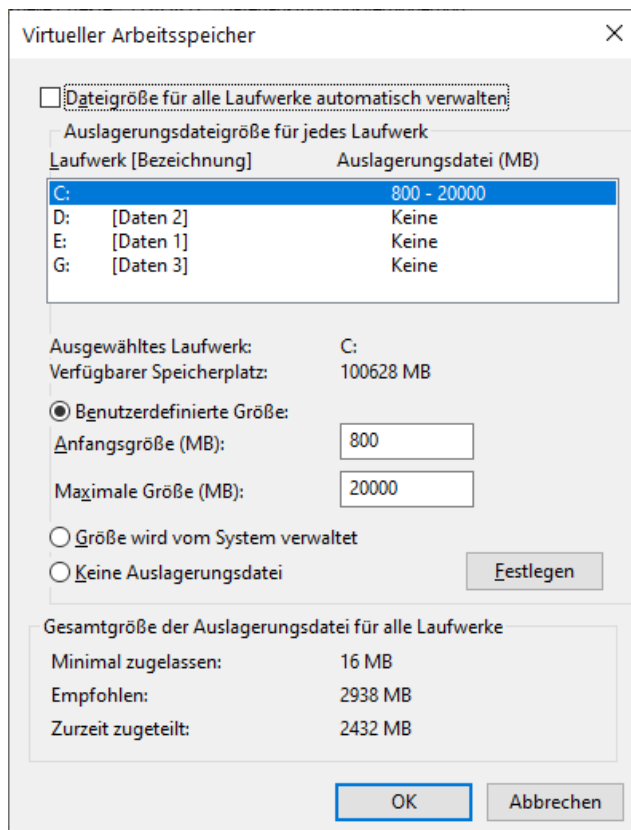
## Nach ca. 1 Stunde beim Arbeiten:

Sensor	Current	Minimum	Maximum	Average
<b>System</b>				
Virtual Memory Committed	4,632 MB	3,685 MB	11,674 MB	7,601 MB
Virtual Memory Available	12,113 MB	1,464 MB	17,464 MB	5,517 MB
Virtual Memory Load	26.9 %	21.5 %	68.1 %	44.3 %
Physical Memory Used	3,002 MB	2,513 MB	9,921 MB	5,903 MB
Physical Memory Available	13,296 MB	6,438 MB	17,893 MB	10,452 MB
Physical Memory Load	18.9 %	15.5 %	60.7 %	36.1 %
Page File Usage	0.4 %	0.0 %	4.3 %	1.0 %
<b>CPU [x64]: Intel Core i5-5... Core i5-560T</b>				
Core VDD	1.130 V	1.091 V	1.291 V	1.189 V
Core Clocks	1,600.0 MHz	1,600.0 MHz	3,800.0 MHz	2,236.0 MHz
Bus Clock	100.0 MHz	100.0 MHz	100.0 MHz	100.0 MHz
Core Effective Clocks	123.5 MHz	13.7 MHz	3,601.0 MHz	744.0 MHz
Average Effective Clock	123.5 MHz	39.4 MHz	3,600.0 MHz	744.0 MHz
Core Usage	4.4 %	0.0 %	100.0 %	20.7 %
Core 0 Usage	2.2 %	0.0 %	100.0 %	19.9 %
Core 1 Usage	0.7 %	0.0 %	100.0 %	21.4 %
Core 2 Usage	2.2 %	0.0 %	100.0 %	19.5 %
Core 3 Usage	3.7 %	0.0 %	100.0 %	22.2 %
Max CPU Throttling	0.7 %	0.7 %	100.0 %	24.7 %
Total CPU Usage	4.4 %	0.5 %	100.0 %	20.7 %
On-Demand Clock Modulation	100.0 %	100.0 %	100.0 %	100.0 %
Core Ratio	38.0 x	38.0 x	38.0 x	22.2 x
<b>CPU [x64]: Intel Core i5-5... Core i5-560T</b>				
Core Temperature	41 °C	29 °C	90 °C	49 °C
Core Distance to TMAX	64 °C	15 °C	76 °C	56 °C
CPU Package	44 °C	35 °C	89 °C	52 °C
Core Max	44 °C	24 °C	90 °C	52 °C
Core Thermal Throttling	No	No	No	
Core Critical Temperature	No	No	No	
Core Power Limit Desc.	No	No	No	
PackageRing Thermal Throttling	No	No	No	
PackageRing Critical Temperature	No	No	No	
PackageRing Power Limit	No	No	No	
<b>CPU [x64]: Intel Core i5-5... Core i5-560T</b>				
CPU Package	46 °C	36 °C	89 °C	53 °C
CPU IA Cores	46 °C	36 °C	89 °C	53 °C
CPU GT Cores (Graphics)	42 °C	34 °C	82 °C	48 °C
CPU Package Power	10.397 W	9.332 W	54.594 W	18.590 W
IA Core Power	4.609 W	3.993 W	47.354 W	12.575 W
PL1 Power Limit	77.0 W	77.0 W	77.0 W	77.0 W
PL2 Power Limit	66.3 W	66.3 W	66.3 W	66.3 W
<b>CPU [x64]: Intel Core i5-5... Core i5-560T</b>				
Core C0 Residency	6.0 %	0.8 %	100.0 %	23.1 %
Core C3 Residency	1.3 %	0.0 %	70.3 %	5.9 %
Core C6 Residency	91.8 %	0.0 %	98.8 %	67.0 %
<b>Memory Usage</b>				
Memory Clock	800.0 MHz	800.0 MHz	800.0 MHz	800.0 MHz
Memory Clock Ratio	8.00 x	8.00 x	8.00 x	8.00 x
Total	9 T	9 T	9 T	
Total	9 T	9 T	9 T	
Top	9 T	9 T	9 T	

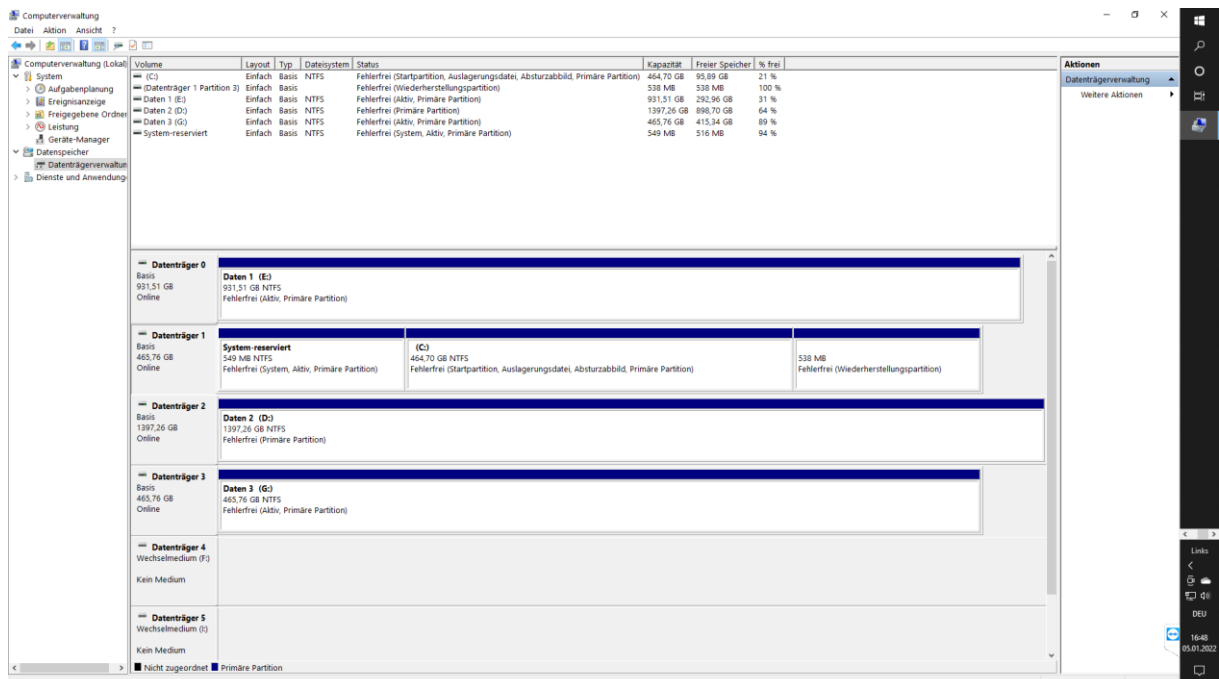
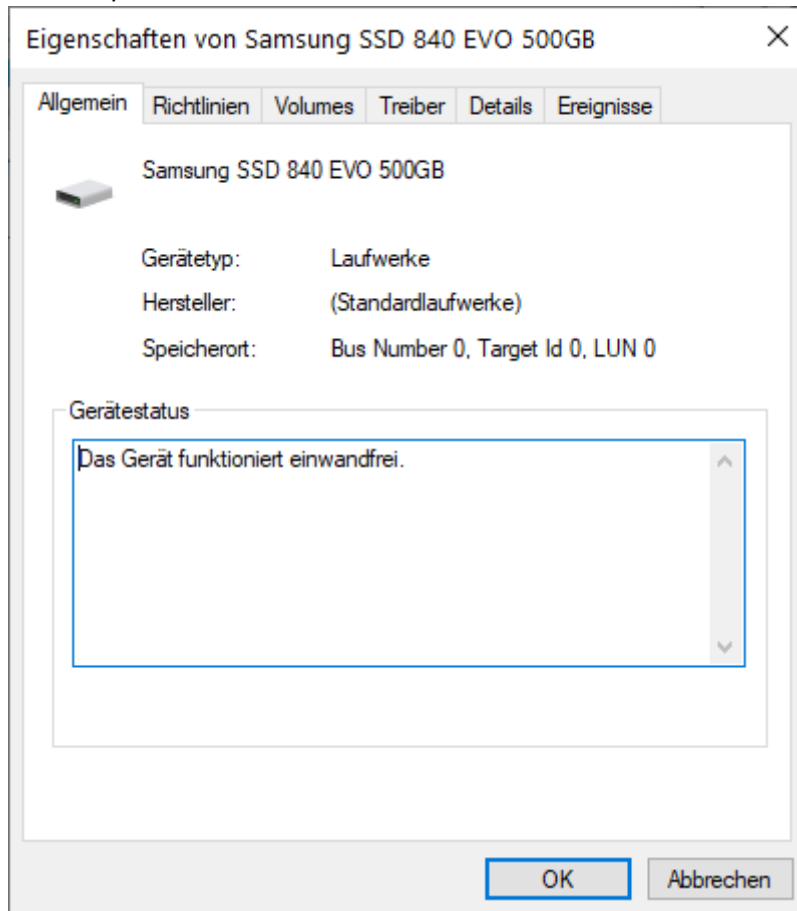
## Virtueller Arbeitsspeicher zu Beginn:



## Virtueller Speicher nach Änderung:



SSD Festplatte wo Luminar installiert ist:



## Freier Speicher von Laufwerk C:

