

Erledigt

AMD Ryzen 9 3900X vs Intel Core i9-9920X / Intel Core i9-7920X

Beitrag von „rubenszy“ vom 9. Juli 2019, 00:27

Schaut man sich von Geekbench4 die Datenbank an, tritt der 500 Euro 3900x mit seinen niedrigen Taktraten,

CPU	Ryzen 9 3900X
Kerne / Threads	12 / 24
Grundtakt	3800
Maximaler Boost-Takt (1 Kern) (MHz)	4600 4500
Boost-Takt (Alle Kerne) (MHz)	4300
Cache L2 (MB)	6
Cache L3 (MB)	64
PCIe-Lanes	24
TDP (W)	105

die beiden 1000-1300 Euro teuren Intel CPU's ganz schön in den Arsch, wenn man den Durchschnitt aller Test von jeder CPU zusammen rechnet, kommt man beim i9-7920X und 3900X auf 55000 und der 9920X mit 52000, für etwas mehr als ein Drittel vom Verkaufspreis der anderen beiden beachtlich.

Updated	Model	Platform	Year	Single-Core Score	Multi-Core Score
Apr 17, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6235	56392
Apr 16, 2019	Model X	Mac OS X 64-bit		6141	55339
Apr 15, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6345	55303
Apr 14, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6237	56256
Apr 13, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6367	55201
Apr 12, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6271	55074
Apr 11, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6269	56017
Apr 10, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit	ubuntu	6296	54964
Apr 09, 2019	Model X	Mac OS X 64-bit		6109	54791
Apr 08, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6371	54676
Apr 07, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6332	54659
Apr 06, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6270	54636
Apr 05, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6302	54548
Apr 04, 2019	Model X	Mac OS X 64-bit		6093	54546
Apr 03, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6327	54362
Apr 02, 2019	Model X	Mac OS X 64-bit		6140	54106
Apr 01, 2019	Model X	Mac OS X 64-bit		6164	52977
Mar 31, 2019	Model X	Mac OS X 64-bit		6190	52799
Mar 30, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Windows 64-bit		6436	50626
Mar 29, 2019	Model X	Mac OS X 64-bit		6001	50504
Mar 28, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Windows 64-bit		6066	49419
Mar 26, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Windows 64-bit		5873	49102

Updated	Model	Platform	Year	Single-Core Score	Multi-Core Score
Mar 25, 2019	Model X	Mac OS X 64-bit		6002	56965
Mar 24, 2019	Model X	Mac OS X 64-bit		6005	56903
Mar 23, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6359	56496
Mar 22, 2019	Model X	Mac OS X 64-bit		6028	56496
Mar 21, 2019	Model X	Mac OS X 64-bit	ubuntu	6160	56472
Mar 20, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6286	56463
Mar 19, 2019	Model X	Mac OS X 64-bit		6125	56106
Mar 18, 2019	Model X	Mac OS X 64-bit	ubuntu	6153	55815
Mar 17, 2019	Model X	Mac OS X 64-bit	ubuntu	6129	55755
Mar 16, 2019	Model X	Mac OS X 64-bit		6115	55729
Mar 15, 2019	Model X	Mac OS X 64-bit		6126	55708
Mar 14, 2019	Model X	Mac OS X 64-bit	ubuntu	6081	55678
Mar 13, 2019	Model X	Mac OS X 64-bit		6085	55657
Mar 12, 2019	Model X	Mac OS X 64-bit		6120	55430
Mar 11, 2019	Model X	Mac OS X 64-bit		6047	55312
Mar 10, 2019	Model X	Mac OS X 64-bit		6074	55308
Mar 09, 2019	Model X	Mac OS X 64-bit		6091	55297
Mar 08, 2019	Model X	Mac OS X 64-bit		6046	55270
Mar 07, 2019	Model X	Mac OS X 64-bit		6059	55212
Mar 06, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit	ubuntu	5768	55196
Mar 05, 2019	Model X	Mac OS X 64-bit		6045	55026
Mar 04, 2019	Model X	Mac OS X 64-bit		6043	54933

Updated	Model	Platform	Year	Single-Core Score	Multi-Core Score
Mar 03, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit	Mac OS X	6126	58300
Mar 02, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6112	58080
Mar 01, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		6061	57370
Feb 28, 2019	Model X	Mac OS X 64-bit		5882	55594
Feb 27, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Windows 64-bit		6041	53521
Feb 26, 2019	Model X	Mac OS X 64-bit		5708	52442
Feb 25, 2019	Model X	Mac OS X 64-bit		5709	52398
Feb 24, 2019	Model X	Mac OS X 64-bit		5890	52372
Feb 23, 2019	Model X	Mac OS X 64-bit		5714	52340
Feb 22, 2019	Model X	Mac OS X 64-bit		5675	52323
Feb 21, 2019	Model X	Mac OS X 64-bit		5713	52291
Feb 20, 2019	Model X	Mac OS X 64-bit		5723	52236
Feb 19, 2019	Model X	Mac OS X 64-bit		5713	52174
Feb 17, 2019	System Manufacturer System Product Name Model Name (CPU Model, OS Version)	Linux 64-bit		5499	52147
Feb 16, 2019	Model X	Mac OS X 64-bit		5683	52099
Feb 15, 2019	Model X	Mac OS X 64-bit		5731	51931
Feb 14, 2019	Model X	Mac OS X 64-bit		5711	51844
Feb 13, 2019	Model X	Mac OS X 64-bit		5725	51782
Feb 12, 2019	Model X	Mac OS X 64-bit		5686	51773
Feb 11, 2019	Model X	Mac OS X 64-bit		5667	51649
Feb 10, 2019	Model X	Mac OS X 64-bit		5676	51566
Feb 09, 2019	Model X	Mac OS X 64-bit		5679	51465

Sogar unter Mac OS macht der 3900X eine gute Figur, auch noch besser als sein Artverwandter 2920X, der 10000 Punkte unter ihm ist.

Modell	Modell	Prozessor	Preis	Single Core Score	Multi Core Score
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5432	46266
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5423	46243
Feb 06, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4981	45960
Dec 13, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5525	45853
Nov 06, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4935	45407
Nov 05, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5235	45163
Nov 05, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4964	44675
Nov 05, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5073	44184
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5048	44044
Jan 05, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5306	43864
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4737	42497
Dec 02, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4586	42336
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5114	42274
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5202	42186
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5277	42124
Jan 15, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4870	41955
Jan 07, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5205	41460
Nov 16, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5065	41181
Nov 07, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5099	41096
Nov 05, 2018	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	5427	40507
Jan 07, 2019	Apple Technology Co., Ltd. (Apple) (Apple)	Intel Core i9-9900	US\$ 649	4893	40180

Beitrag von „Kazuya91“ vom 9. Juli 2019, 00:55

Und die Intel-Preise sind immer noch oben... Die schlafen wohl noch

Beitrag von „ralf.“ vom 9. Juli 2019, 09:23

Und das ist nur der Anfang. Im September der 16-Kerner, dann die Threadripper mit 32-64 Kernen. Nächstes Jahr - vermutlich - der Ryzen 4000.

Beitrag von „rubenszy“ vom 9. Juli 2019, 10:23

Zen 3 in 7+nm neuer EUV-Technik, Zen 4 in 5nm und Zen 5 in 5+nm kann man eigentlich überspringen oder besser gesagt ist nicht wirklich relevant da pro Architektur nur eine Verbesserung von 10% Leistungsaufnahme und 5-10% Performance raus springt, interessanter wir da dann schon Zen 6 in 3nm im Jahre 2022, da TSMC ihre 3nm Produktion schon am laufen

hat.3nm biete einfach mal die Möglichkeit von einem 16/32 Die in der selben Größe wie jetzt ein 8/16 Die mit verbesserter Leistungsaufnahme und höhere Performance.

Das gute ist, wer sich bald einen günstigen Zen+ Hackintosh zusammen bauen will, sollte noch warten, die 2700X CPUs fallen täglich um 10 Euro. 🤔👍

Schaut man sich die Geekbench Ergebnisse an, hat der 2700X zum 3700X gerade mal 2000 Punkte Unterschied, hebt man den 2700X um 200mHz an, kommt auf die selben Werte und man hat einen billigeren CPU. Interessant ist nur der PCIe 4.0 in Verbindung mit zwei GPUs.

Released	Model	Platform	Year	Single-Core Score	Multi-Core Score
Jul 26, 2019	Apple-Über-Intel-Modell (i9-9900K) (i9-9900K)	Linux-9900	amd64	6352	37868
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5982	36911
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5720	36796
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5617	36745
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5796	36677
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5776	36654
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5615	36650
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5753	36438
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5655	36381
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5701	36305
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5681	36078
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5606	36067
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5621	36046
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5750	36018
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5796	35963
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5576	35830
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5774	35749
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5661	35723
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5753	35682
Jul 27, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-9900		6260	35667
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Windows-99-00		5804	35597

Released	Model	Platform	Year	Single-Core Score	Multi-Core Score
May 17, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5651	34370
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5448	34368
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5448	34319
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5413	34306
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5728	34306
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5391	34259
Apr 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5387	34219
Apr 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5489	34198
Apr 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5442	34162
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5450	34148
Jul 26, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5432	34102
Jul 14, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5372	34054
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5694	34051
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5406	34043
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5549	34043
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5307	34006
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5296	34003
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5371	34002
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5377	34001
May 17, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00	amd64/amd64	5420	34000
May 16, 2019	System-Modell (System-Produkt/Name) (i9-9900K) (i9-9900K)	Linux-99-00		5037	34002