

Intel Core i7-9700T processor 2 GHz 12 MB Smart Cache

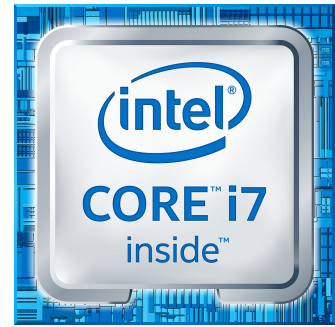
Merk : Intel

Productfamilie: Core

 Artikelcode:
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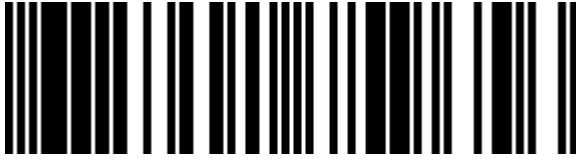
Productnaam : i7-9700T

Intel Core i7-9700T. Processorfamilie: Intel® Core™ i7, Processor socket: LGA 1151 (Socket H4), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. On-board graphics adapter model: Intel® UHD Graphics 630, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4,3 GHz



Processor		Kenmerken	
Processorfabrikant *	Intel	PCI Express slots versie	3.0
Processorgeneratie	Intel® 9de generatie Core™ i7	PCI Express configuraties	1x16, 2x8, 1x8+2x4
Processormodel *	i7-9700T	Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0
Basisfrequentie processor *	2 GHz	Schaalbaarheid	1S
Processorfamilie *	Intel® Core™ i7	CPU configuratie (max)	1
Aantal processorkernen *	8	Ingebouwde opties beschikbaar	✗
Processor socket *	LGA 1151 (Socket H4)	Thermal solution specificatie	PCG 2015A
Component voor	PC	PCI Express CEM revisie	3.0
Processor lithografie *	14 nm	Export Control Classification Number (ECCN)	5A992C
Processor aantal threads	8	Commodity Classification Automated Tracking System (CCATS)	G077159
Systeembus	8 GT/s		
Processor operating modes *	64-bit		
Maximale turbofrequentie van processor	4,3 GHz		
Processor cache	12 MB		
Processor cache type	Smart Cache		
Thermal Design Power (TDP)	35 W		
Box *	✗		
Configureerbare TDP-downfrequentie	1,5 GHz		
Inclusief koeler *	✗		
Configureerbare TDP-down	25 W		
Generatie	9th Generation		
Geheugenbandbreedte ondersteund door de processor (max)	41,6 GB/s		
Codenaam processor	Coffee Lake		
ARK ID processor	191048		
Geheugen		Processor speciale functies	
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	Intel® Turbo Boost Technology	2.0
Geheugen kanaal *	Dubbelkanaals	Intel® Quick Sync Video Technology	✓
ECC	✗	Intel® InTru™ 3D Technology	✓
Grafisch		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Ingebouwde grafische adapter *	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Aparte grafische adapter *	✗	Enhanced Intel SpeedStep Technology	✓
On-board graphics adapter model *	Intel® UHD Graphics 630	Intel® Trusted Execution Technology	✓
		Intel® Memory Protection Extensions (Intel® MPX)	✓
		Intel® Turbo Boost Technology 2.0 frequency	4,3 GHz
		Intel® Transactional Synchronization Extensions	✓
		Intel® VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel® TSX-NI	✓
		Intel® Stable Image Platform Program (SIPP)	✓
		Intel® OS Guard	✓
		Intel® Clear Video-technologie	✓

Grafisch		Processor speciale functies	
Maximaal geheugen ingebouwde grafische adapter	64 GB	Intel® Software Guard Extensions (Intel® SGX)	✓
Basisfrequentie ingebouwde grafische adapter	350 MHz	Intel® 64	✓
Graphics on-board -adapter dynamische frequentie (max)	1200 MHz	Intel® Virtualization Technology (VT-x)	✓
Aantal displays ondersteund (door on-board grafische adapter)	3	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
4K-ondersteuning	✓	Intel® Optane™ Memory Ready	✓
On-board grafische adapter DirectX-versie	12.0	Intel® Boot Guard	✓
On-board grafische adapter OpenGL versie	4.5	Intel® vPro™ Platform Eligibility	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Eisen aan de omgeving	
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Tjunction	100 °C
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2304 Pixels	Technische details	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Lanceringsdatum	Q2'19
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Maximale resolutie & verversingsfrequentie (DisplayPort)	4096 x 2304@60Hz
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Type product	Processor
On-board grafische adapter ID	0x3E98	Status	Launched
Discreet grafische adapter model *	Niet beschikbaar	Maximaal geheugen	128 GB
Kenmerken		Ondersteunde geheugen types	DDR4-SDRAM
Execute Disable Bit	✓	Bussnelheid	8 GT/s
Idle States	✓	Maximaal geheugen grafische adapter	64 GB
Thermal Monitoring Technologies	✓	Processor-id	0x3E98
Marktsegment	Desktop	Logistieke gegevens	
Maximaal aantal PCI Express-lijnen	16	Code geharmoniseerd systeem (HS)	8542310001
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



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