

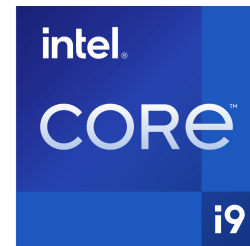
## Intel Core i9-14900KF processor 36 MB Smart Cache

Merk : Intel

Productfamilie: Core

 Artikelcode:  
CM8071505094018

Productnaam : i9-14900KF



Intel Core i9-14900KF. Processorfamilie: Intel® Core™ i9, Processor socket: LGA 1700, Processorfabrikant: Intel. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 192 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM, DDR5-SDRAM. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5,8 GHz, Intel® Thermal Velocity Boost Frequency: 6 GHz. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Directe media-interface (DMI) revisie	4.0
Processorgeneratie	Intel Core i9-14xxx	Export Control Classification Number (ECCN)	5A992C
Processormodel *	i9-14900KF	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processorfamilie *	Intel® Core™ i9	<b>Processor speciale functies</b>	
Aantal processorkernen *	24	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 1700	Intel® Turbo Boost Technology	2.0
Processor aantal threads	32	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Prestatiekernen	8	Intel® Speed Shift-technologie	✓
Efficiënte kernen	16	Intel® Thermal Velocity Boost	✓
Maximale turbofrequentie van processor	6 GHz	Intel® Adaptive Boost-technologie	✓
Prestatie-kernboostfrequentie	5,6 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,8 GHz
Prestatie-kernbasisfrequentie	3,2 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Efficiënte kernboostfrequentie	4,4 GHz	Intel® Thermal Velocity Boost Frequency	6 GHz
Efficiënte kernbasisfrequentie	2,4 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processor cache	36 MB	Intel® Thread Director	✓
Processor cache type	Smart Cache	Intel® VT-x with Extended Page Tables (EPT)	✓
Box *	✗	Intel® Secure Key	✓
Processor basisvermogen	125 W	Intel® OS Guard	✓
Maximaal turbovermogen	253 W	Intel® 64	✓
Stepping	B0	Intel® Virtualization Technology (VT-x)	✓
Maximum aantal DMI lanes	8	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugenbandbreedte ondersteund door de processor ( max)	89,6 GB/s	Intel® Turbo Boost Max Technology 3.0	✓
Codenaam processor	Raptor Lake	Intel® Boot Guard	✓
ARK ID processor	236787	Intel® Deep Learning Boost (Intel® DL Boost)	✓
<b>Geheugen</b>		Intel® Volume Management Device (VMD)	✓
Maximaal intern geheugen ondersteund door processor	192 GB	Mode-based Execute Control (MBE)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Geheugen kanaal *	Dubbelkanaals		
Geheugen bandbreedte (max)	89,6 GB/s		
<b>Grafisch</b>			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
<b>Kenmerken</b>			
Execute Disable Bit	✓		
Idle States	✓		

Kenmerken		Eisen aan de omgeving	
Thermal Monitoring Technologies	✓	Tjunction	100 °C
Marktsegment	Desktop	<b>Logistieke gegevens</b>	
Gebruiksvoorwaarden	PC/Client/Tablet	Code geharmoniseerd systeem (HS) 8542310001	
Maximaal aantal PCI Express-lijnen	20	<b>Technische details</b>	
PCI Express slots versie	4.0, 5.0	Lanceringsdatum	Q4'23
PCI Express configuraties	1x16+1x4, 2x8+1x4	Status	Launched
Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2	<b>Gewicht en omvang</b>	
Schaalbaarheid	1S	Verpakkingsgrootte processor	45 x 37.5 mm
CPU configuratie (max)	1	<b>Overige specificaties</b>	
Ingebouwde opties beschikbaar	✗	L2 cache	32768 KB
Thermal solution specificatie	PCG 2020A	Maximum intern geheugen	192 GB



5056489771264

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 13-MAR-2024. Prints or copies of Information are only valid on the printed Publication date