

Intel Core i9-13900F processor 36 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071513900F

Productnaam : i9-13900F

Intel Core i9-13900F. 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: 5.0, 4.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5,5 GHz, Intel® Thermal Velocity Boost Frequency: 5,6 GHz. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Directe media-interface (DMI) revisie	4.0
Processorgeneratie	Intel® 13de generatie Core™ i9	Export Control Classification Number (ECCN)	5A992C
Processormodel *	i9-13900F	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processorfamilie *	Intel® Core™ i9	Processor speciale functies	
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	5,6 GHz	Intel® Adaptive Boost-technologie	✓
Prestatie-kernboostfrequentie	5,2 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,5 GHz
Prestatie-kernbasisfrequentie	2 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Efficiënte kernboostfrequentie	4,2 GHz	Intel® Thermal Velocity Boost Frequency	5,6 GHz
Efficiënte kernbasisfrequentie	1,5 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	✓
Inclusief koeler *	✓	Intel® OS Guard	✓
Processor basisvermogen	65 W	Intel® 64	✓
Maximaal turbovermogen	219 W	Intel® Virtualization Technology (VT-x)	✓
Bus type	DMI4	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximum aantal DMI lanes	8	Intel® Turbo Boost Max Technology 3.0	✓
Geheugenbandbreedte ondersteund door de processor (max)	89,6 GB/s	Intel® Boot Guard	✓
Codenaam processor	Raptor Lake	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ARK ID processor	230502	Intel® Volume Management Device (VMD)	✓
Geheugen		Mode-based Execute Control (MBE)	✓
Maximaal intern geheugen ondersteund door processor	192 GB		
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM		
Geheugen kanaal *	Dubbelkanaals		
Non-ECC	✓		
Geheugen bandbreedte (max)	89,6 GB/s		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		

Grafisch		Processor speciale functies	
Discreet grafische adapter model * Niet beschikbaar		Intel® Standard Manageability (ISM, Standaard beheerbaarheid) ✓	
Kenmerken		Eisen aan de omgeving	
Execute Disable Bit	✓	Tjunction	100 °C
Idle States	✓	Logistieke gegevens	
Thermal Monitoring Technologies	✓	Code geharmoniseerd systeem (HS) 8542310001	
Marktsegment	Desktop	Verpakking	
Gebruiksvoorwaarden	PC/Client/Tablet	Type verpakking	Retaildoos
Maximaal aantal PCI Express-lijnen	20	Technische details	
PCI Express slots versie	5.0, 4.0	Doelgroep	Gaming, Content Creation
PCI Express configuraties	1x16+1x4, 2x8+1x4	Lanceringsdatum	Q1'23
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Status	Launched
Schaalbaarheid	1S	Gewicht en omvang	
CPU configuratie (max)	1	Verpakkingsgrootte processor	45 x 37.5 mm
Ingebouwde opties beschikbaar	✗	Overige specificaties	
		L2 cache	32768 KB
		Maximum intern geheugen	192 GB



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