



Intel Core i5-14600KF processor 24 MB Smart Cache Box

Merk : Intel **Productfamilie:** Core **Artikelcode:** BX8071514600KF
Productnaam : i5-14600KF

Intel Core i5-14600KF. Processorfamilie: Intel® Core™ i5, 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. Verpakkingsgrootte processor: 45 x 37.5 mm. L2 cache: 20480 KB, Maximum intern geheugen: 192 GB



Processor		Kenmerken	
Processorfabrikant *	Intel	Schaalbaarheid	15
Processorgeneratie	Intel Core i5-14xxx	CPU configuratie (max)	1
Processormodel *	i5-14600KF	Ingebouwde opties beschikbaar	✗
Processorfamilie *	Intel® Core™ i5	Thermal solution specificatie	PCG 2020A
Aantal processorkernen *	14	Directe media-interface (DMI) revisie	4.0
Processor socket *	LGA 1700	Export Control Classification Number (ECCN)	5A992C
Processor aantal threads	20	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor operating modes *	64-bit	Processor speciale functies	
Prestatiekernen	6	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Efficiënte kernen	8	Intel® Turbo Boost Technology	2.0
Maximale turbofrequentie van processor	5,3 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Prestatie-kernboostfrequentie	5,3 GHz	Enhanced Intel SpeedStep Technology	✓
Prestatie-kernbasisfrequentie	3,5 GHz	Intel® Speed Shift-technologie	✓
Efficiënte kernboostfrequentie	4 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Efficiënte kernbasisfrequentie	2,6 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processor cache	24 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	125 W	Intel® 64	✓
Maximaal turbovermogen	181 W	Intel® Virtualization Technology (VT-x)	✓
Stepping	B0	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximum aantal DMI lanes	8	Intel® Boot Guard	✓
Geheugenbandbreedte ondersteund door de processor (max)	89,6 GB/s	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Codenaam processor	Raptor Lake	Intel® Volume Management Device (VMD)	✓
ARK ID processor	236778	Mode-based Execute Control (MBE)	✓
Geheugen		Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Maximaal intern geheugen ondersteund door processor	192 GB	Grafisch	
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Ingebouwde grafische adapter *	✗
Geheugen kanaal *	Dubbelkanaals	Aparte grafische adapter *	✗
Non-ECC	✓	On-board graphics adapter model *	Niet beschikbaar
Geheugen bandbreedte (max)	89,6 GB/s		

Grafisch		Eisen aan de omgeving	
Discreet grafische adapter model * Niet beschikbaar		Tjunction	100 °C
Kenmerken		Logistieke gegevens	
Execute Disable Bit	✓	Code geharmoniseerd systeem (HS) 8542310001	
Idle States	✓	Technische details	
Thermal Monitoring Technologies	✓	Lanceringsdatum	Q4'23
Marktsegment	Desktop	Status	Launched
Gebruiksvoorwaarden	PC/Client/Tablet	Gewicht en omvang	
Maximaal aantal PCI Express-lijnen	20	Verpakkingsgrootte processor	45 x 37.5 mm
PCI Express slots versie	4.0, 5.0	Overige specificaties	
PCI Express configuraties	1x16+1x4, 2x8+1x4	L2 cache	20480 KB
Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2	Maximum intern geheugen	192 GB



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