

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

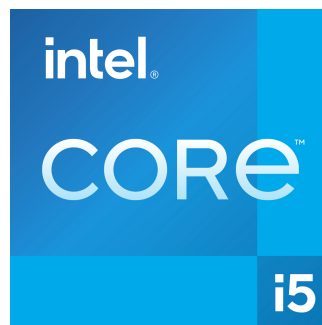
Merk : Intel

Productfamilie: Core

Artikelcode: BX8071514600K

Productnaam : i5-14600K

Intel Core i5-14600K. 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. On-board graphics adapter model: Intel UHD Graphics 770, On-board ondersteunde grafische adapter uitgangen: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, Basisfrequentie ingebouwde grafische adapter: 300 MHz. Marktsegment: Desktop, Gebruiksvoorwaarden: Workstation, PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Execute Disable Bit	✓
Processorgeneratie	Intel Core i5-14xxx	Idle States	✓
Processormodel *	i5-14600K	Thermal Monitoring Technologies	✓
Processorfamilie *	Intel® Core™ i5	Marktsegment	Desktop
Aantal processorkernen *	14	Gebruiksvoorwaarden	Workstation, PC/Client/Tablet
Processor socket *	LGA 1700	Maximaal aantal PCI Express-lijnen	20
Processor aantal threads	20	PCI Express slots versie	4.0, 5.0
Processor operating modes *	64-bit	PCI Express configuraties	1x16+1x4, 2x8+1x4
Prestatiekernen	6	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Efficiënte kernen	8	Schaalbaarheid	15
Maximale turbofrequentie van processor	5,3 GHz	CPU configuratie (max)	1
Prestatie-kernboostfrequentie	5,3 GHz	Ingebouwde opties beschikbaar	✗
Prestatie-kernbasisfrequentie	3,5 GHz	Thermal solution specificatie	PCG 2020A
Efficiënte kernboostfrequentie	4 GHz	Directe media-interface (DMI) revisie	4.0
Efficiënte kernbasisfrequentie	2,6 GHz	Export Control Classification Number (ECCN)	5A992C
Processor cache	24 MB	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor cache type	Smart Cache		
Box *	✓		
Inclusief koeler *	✗		
Processor basisvermogen	125 W		
Maximaal turbovermogen	181 W		
Stepping	B0		
Maximum aantal DMI lanes	8		
Geheugenbandbreedte ondersteund door de processor (max)	89,6 GB/s		
Codenaam processor	Raptor Lake		
ARK ID processor	236799		
Geheugen		Processor speciale functies	
Maximaal intern geheugen ondersteund door processor	192 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Turbo Boost Technology	2.0
Geheugen kanaal *	Dubbelkanaals	Intel® Quick Sync Video Technology	✓
ECC	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Non-ECC	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Geheugen bandbreedte (max)	89,6 GB/s	Enhanced Intel SpeedStep Technology	✓
Grafisch		Intel® Speed Shift-technologie	✓
Ingebouwde grafische adapter *	✓	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Aparte grafische adapter *	✗	Intel® Control-flow Enforcement Technology (CET)	✓
		Intel® Thread Director	✓
		Intel® VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel® OS Guard	✓
		Intel® 64	✓

Grafisch		Processor speciale functies	
On-board graphics adapter model *	Intel UHD Graphics 770	Intel® Virtualization Technology (VT-x)	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Basisfrequentie ingebouwde grafische adapter	300 MHz	Intel® Boot Guard	✓
Graphics on-board -adapter dynamische frequentie (max)	1550 MHz	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Aantal displays ondersteund (door on-board grafische adapter)	4	Intel® Volume Management Device (VMD)	✓
On-board grafische adapter DirectX-versie	12.0	Mode-based Execute Control (MBE)	✓
On-board grafische adapter OpenGL versie	4.5	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	7680 x 4320 Pixels	Eisen aan de omgeving	
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Tjunction	100 °C
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Technische details	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	OpenCL-versie	3.0
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	Lanceringsdatum	Q4'23
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Status	Launched
On-board grafische adapter ID	0xA780	Logistieke gegevens	
Discreet grafische adapter model *	Niet beschikbaar	Code geharmoniseerd systeem (HS)	8542310001
Aantal verwerkingseenheden	32	Gewicht en omvang	
Multi-Formaat Codec-motoren	2	Verpakkingsgrootte processor	45 x 37.5 mm
		Overige specificaties	
		L2 cache	20480 KB
		Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



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