

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

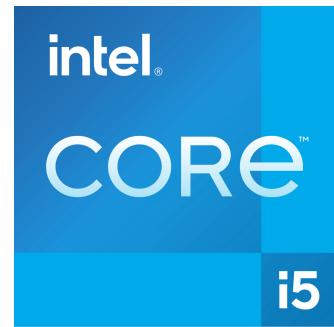
**Merk :** Intel

**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	1S
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	<b>Eisen aan de omgeving</b>	
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Tjunction	100 °C
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	<b>Technische details</b>	
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	<b>Logistieke gegevens</b>	
Discreet grafische adapter model *	Niet beschikbaar	Code geharmoniseerd systeem (HS)	8542310001
Aantal verwerkingseenheden	32	<b>Gewicht en omvang</b>	
Multi-Formaat Codec-motoren	2	Verpakkingsgrootte processor	45 x 37.5 mm
		<b>Overige specificaties</b>	
		L2 cache	20480 KB
		Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



5032037278447



0735858546898



735858546898



0735858546881



735858546881

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.