

Intel Core i5-14500 processor 24 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071514500

Productnaam : i5-14500

Intel Core i5-14500. 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, Graphics on-board -adapter dynamische frequentie (max): 1550 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 *	i5-14500	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 GHz	CPU configuratie (max)	1
Prestatie-kernboostfrequentie	5 GHz	Ingebouwde opties beschikbaar	✓
Prestatie-kernbasisfrequentie	2,6 GHz	Directe media-interface (DMI) revisie	4.0
Efficiënte kernboostfrequentie	3,7 GHz	Export Control Classification Number (ECCN)	5A992C
Efficiënte kernbasisfrequentie	1,9 GHz	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor cache	24 MB		
Processor cache type	Smart Cache		
Box *	✓		
Inclusief koeler *	✓		
Processor basisvermogen	65 W		
Maximaal turbovermogen	154 W		
Maximum aantal DMI lanes	8		
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s		
Codenaam processor	Raptor Lake		
ARK ID processor	236784		
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)	✓
Geheugen bandbreedte (max)	76,8 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Grafisch		Enhanced Intel SpeedStep Technology	✓
Ingebouwde grafische adapter *	✓	Intel® Speed Shift-technologie	✓
Aparte grafische adapter *	✗	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
On-board graphics adapter model *	Intel UHD Graphics 770	Intel® Control-flow Enforcement Technology (CET)	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel® Thread Director	✓
Graphics on-board -adapter dynamische frequentie (max)	1550 MHz	Intel® VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel® OS Guard	✓
		Intel® 64	✓
		Intel® Virtualization Technology (VT-x)	✓
		Intel® Virtualization Technology for Directed I/O (VT-d)	✓

Grafisch		Processor speciale functies	
Aantal displays ondersteund (door on-board grafische adapter)	4	Intel® Boot Guard	✓
On-board grafische adapter DirectX-versie	12.0	Intel® Deep Learning Boost (Intel® DL Boost)	✓
On-board grafische adapter OpenGL versie	4.5	Intel® Volume Management Device (VMD)	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	7680 x 4320 Pixels	Mode-based Execute Control (MBE)	✓
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Eisen aan de omgeving	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Tjunction	100 °C
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	Technische details	
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	OpenCL-versie	3.0
On-board grafische adapter ID	0x4680	Lanceringsdatum	Q1'24
Discreet grafische adapter model *	Niet beschikbaar	Status	Launched
Aantal verwerkingseenheden	32	Logistieke gegevens	
Multi-Formaat Codec-motoren	2	Code geharmoniseerd systeem (HS)	8542310001
		Gewicht en omvang	
		Verpakkingsgrootte processor	45 x 37.5 mm
		Overige specificaties	
		L2 cache	11776 KB
		Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



5032037279178



5032037279185



0735858547611



735858547611

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.