

Intel Core i5-14400 processor 20 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071514400

Productnaam : i5-14400

Intel Core i5-14400. 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 730, 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: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Idle States	✓
Processorgeneratie	Intel Core i5-14xxx	Thermal Monitoring Technologies	✓
Processormodel *	i5-14400	Marktsegment	Desktop
Processorfamilie *	Intel® Core™ i5	Gebruiksvoorwaarden	PC/Client/Tablet
Aantal processorkernen *	10	Maximaal aantal PCI Express-lijnen	20
Processor socket *	LGA 1700	PCI Express slots versie	4.0, 5.0
Processor aantal threads	16	PCI Express configuraties	1x16+1x4, 2x8+1x4
Processor operating modes *	64-bit	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Prestatiekernen	6	Schaalbaarheid	1S
Efficiënte kernen	4	CPU configuratie (max)	1
Maximale turbofrequentie van processor	4,7 GHz	Ingebouwde opties beschikbaar	✓
Prestatie-kernboostfrequentie	4,7 GHz	Directe media-interface (DMI) revisie	4.0
Prestatie-kernbasisfrequentie	2,5 GHz	Export Control Classification Number (ECCN)	5A992C
Efficiënte kernboostfrequentie	3,5 GHz	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Efficiënte kernbasisfrequentie	1,8 GHz		
Processor cache	20 MB		
Processor cache type	Smart Cache		
Box *	✓		
Inclusief koeler *	✓		
Processor basisvermogen	65 W		
Maximaal turbovermogen	148 W		
Maximum aantal DMI lanes	8		
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s		
Codenaam processor	Raptor Lake		
ARK ID processor	236788		
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	✓
Geheugen bandbreedte (max)	76,8 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Grafisch		Intel® AES New Instructions (Intel® AES-NI)	✓
Ingebouwde grafische adapter *	✓	Enhanced Intel SpeedStep Technology	✓
Aparte grafische adapter *	✗	Intel® Speed Shift-technologie	✓
On-board graphics adapter model *	Intel UHD Graphics 730	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel® Control-flow Enforcement Technology (CET)	✓
Graphics on-board -adapter dynamische frequentie (max)	1550 MHz	Intel® Thread Director	✓
		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)	✓
		Intel® Boot Guard	✓

Grafisch		Processor speciale functies	
Aantal displays ondersteund (door on-board grafische adapter)	4	Intel® Deep Learning Boost (Intel® DL Boost)	✓
On-board grafische adapter DirectX-versie	12.0	Intel® Volume Management Device (VMD)	✓
On-board grafische adapter OpenGL versie	4.5	Mode-based Execute Control (MBE)	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	7680 x 4320 Pixels	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Eisen aan de omgeving	
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Tjunction	100 °C
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Technische details	
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	OpenCL-versie	3.0
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Lanceringsdatum	Q1'24
On-board grafische adapter ID	0x4682/0xA782	Status	Launched
Discreet grafische adapter model *	Niet beschikbaar	Logistieke gegevens	
Aantal verwerkingseenheden	24	Code geharmoniseerd systeem (HS)	8542310001
Multi-Formaat Codec-motoren	1	Gewicht en omvang	
Kenmerken		Verpakkingsgrootte processor	45 x 37.5 mm
Execute Disable Bit	✓	Overige specificaties	
		L2 cache	9728 KB
		Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



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