



Intel Core i3-14100 processor 12 MB Smart Cache Box

Merk : Intel **Productfamilie:** Core **Artikelcode:** BX8071514100

Productnaam : i3-14100



Intel Core i3-14100. Processorfamilie: Intel® Core™ i3, 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): 1500 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	Thermal Monitoring Technologies	✓
Processorgeneratie	Intel Core i3-14xxx	Marktsegment	Desktop
Processormodel *	i3-14100	Gebruiksvoorwaarden	PC/Client/Tablet
Processorfamilie *	Intel® Core™ i3	Maximaal aantal PCI Express-lijnen	20
Aantal processorkernen *	4	PCI Express slots versie	4.0, 5.0
Processor socket *	LGA 1700	PCI Express configuraties	1x16+1x4, 2x8+1x4
Processor aantal threads	8	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Processor operating modes *	64-bit	Schaalbaarheid	1S
Prestatiekernen	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	3,5 GHz	Export Control Classification Number (ECCN)	5A992C
Processor cache	12 MB	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor cache type	Smart Cache		
Box *	✓	Processor speciale functies	
Inclusief koeler *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor basisvermogen	60 W	Intel® Turbo Boost Technology	2.0
Maximaal turbovermogen	110 W	Intel® Quick Sync Video Technology	✓
Stepping	H0	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum aantal DMI lanes	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s	Enhanced Intel SpeedStep Technology	✓
Codenaam processor	Raptor Lake	Intel® Speed Shift-technologie	✓
ARK ID processor	236774	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Geheugen		Intel® Control-flow Enforcement Technology (CET)	✓
Maximaal intern geheugen ondersteund door processor	192 GB	Intel® VT-x with Extended Page Tables (EPT)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Secure Key	✓
Geheugen kanaal *	Dubbelkanaals	Intel® OS Guard	✓
Geheugen bandbreedte (max)	76,8 GB/s	Intel® 64	✓
Grafisch		Intel® Virtualization Technology (VT-x)	✓
Ingebouwde grafische adapter *	✓	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Aparte grafische adapter *	✗	Intel® Boot Guard	✓
On-board graphics adapter model *	Intel UHD Graphics 730	Intel® Deep Learning Boost (Intel® DL Boost)	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1		
Graphics on-board -adapter dynamische frequentie (max)	1500 MHz		
Aantal displays ondersteund (door on-board grafische adapter)	4		

Grafisch		Processor speciale functies	
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	0x4692	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	
Idle States	✓	L2 cache	5120 KB
		Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



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