

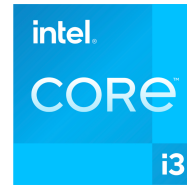
Intel Core i3-12100 processor 12 MB Smart Cache

Merk : Intel

Productfamilie: Core

Artikelcode:
CM8071504651012

Productnaam : i3-12100



Intel Core i3-12100. Processorfamilie: Intel® Core™ i3, Processor socket: LGA 1700, Processorfabrikant: Intel. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 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, Basisfrequentie ingebouwde grafische adapter: 300 MHz. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 5.0, 4.0. Type verpakking: Retaildoos

Processor		Kenmerken	
Processorfabrikant *	Intel	Gebruiksvoorwaarden	PC/Client/Tablet
Processorgeneratie	Intel® 12de generatie Core™ i3	Maximaal aantal PCI Express-lijnen	20
Processormodel *	i3-12100	PCI Express slots versie	5.0, 4.0
Processorfamilie *	Intel® Core™ i3	PCI Express configuraties	1x16+1x4, 2x8+1x4
Aantal processorkernen *	4	Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0
Processor socket *	LGA 1700	Schaalbaarheid	15
Processor aantal threads	8	CPU configuratie (max)	1
Processor operating modes *	64-bit	Ingebouwde opties beschikbaar	✗
Prestatiekernen	4	Directe media-interface (DMI) revisie	4.0
Maximale turbofrequentie van processor	4,3 GHz	Export Control Classification Number (ECCN)	5A992CN3
Prestatie-kernboostfrequentie	4,3 GHz	Commodity Classification Automated Tracking System (CCATS)	G167599
Prestatie-kernbasisfrequentie	3,3 GHz		
Processor cache	12 MB		
Processor cache type	Smart Cache		
Box *	✗	Processor speciale functies	
Processor basisvermogen	60 W	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximaal turbovermogen	89 W	Intel® Turbo Boost Technology	2.0
Bus type	DMI4	Intel® Quick Sync Video Technology	✓
Maximum aantal DMI lanes	8	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Codenaam processor	Alder Lake	Enhanced Intel SpeedStep Technology	✓
ARK ID processor	134584	Intel® Speed Shift-technologie	✓
Geheugen		Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Control-flow Enforcement Technology (CET)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Thread Director	✗
Geheugen kanaal *	Dubbelkanaals	Intel® VT-x with Extended Page Tables (EPT)	✓
Geheugen bandbreedte (max)	76,8 GB/s	Intel® Secure Key	✓
Grafisch		Intel® OS Guard	✓
Ingebouwde grafische adapter *	✓	Intel® 64	✓
Aparte grafische adapter *	✗	Intel® Virtualization Technology (VT-x)	✓
On-board graphics adapter model *	Intel UHD Graphics 730	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel® Turbo Boost Max Technology 3.0	✗
Basisfrequentie ingebouwde grafische adapter	300 MHz	Intel® Optane™ Memory Ready	✓
Graphics on-board -adapter dynamische frequentie (max)	1400 MHz	Intel® Boot Guard	✓
Aantal displays ondersteund (door on-board grafische adapter)	4		

Grafisch		Processor speciale functies	
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	Intel®-technologie voor dreigingsdetectie (TDT)	✓
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Eisen aan de omgeving	
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	Tjunction	100 °C
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Technische details	
On-board grafische adapter ID	0x4692	OpenCL-versie	2.1
Discreet grafische adapter model *	Niet beschikbaar	Lanceringsdatum	Q1'22
Aantal verwerkingseenheden	24	Status	Launched
Multi-Formaat Codec-motoren	1	Logistieke gegevens	
Kenmerken		Code geharmoniseerd systeem (HS)	85423119
Execute Disable Bit	✓	Verpakking	
Idle States	✓	Type verpakking	Retaildoos
Thermal Monitoring Technologies	✓	Gewicht en omvang	
Marktsegment	Desktop	Verpakkingsgrootte processor	45 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



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