

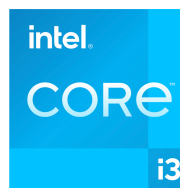
Intel Core i3-12100 processor 12 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071512100

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



5032037238458



0735858503877



735858503877

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.