

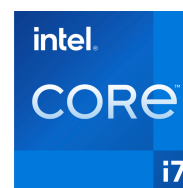
Intel Core i7-12700 processor 25 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071512700

Productnaam : i7-12700



Intel Core i7-12700. Processorfamilie: Intel® Core™ i7, 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 770, 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, Workstation, PCI Express slots versie: 5.0, 4.0. Intel® Turbo Boost Max Technology 3.0 frequency: 4,9 GHz



Processor		Kenmerken	
Processorfabrikant *	Intel	Directe media-interface (DMI) revisie	4.0
Processorgeneratie	Intel® 12de generatie Core™ i7	Export Control Classification Number (ECCN)	5A992CN3
Processormodel *	i7-12700	Commodity Classification Automated Tracking System (CCATS)	G167599
Processorfamilie *	Intel® Core™ i7	Processor speciale functies	
Aantal processorkernen *	12	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 1700	Intel® Turbo Boost Technology	2.0
Processor aantal threads	20	Intel® Quick Sync Video Technology	✓
Processor operating modes *	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Prestatiekernen	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Efficiënte kernen	4	Enhanced Intel SpeedStep Technology	✓
Maximale turbofrequentie van processor	4,9 GHz	Intel® Trusted Execution Technology	✓
Prestatie-kernboostfrequentie	4,8 GHz	Intel® Speed Shift-technologie	✓
Prestatie-kernbasisfrequentie	2,1 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	4,9 GHz
Efficiënte kernboostfrequentie	3,6 GHz	Intel® Total Memory Encryption	✓
Efficiënte kernbasisfrequentie	1,6 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Processor cache	25 MB	Intel® Control-flow Enforcement Technology (CET)	✓
Processor cache type	Smart Cache	Intel® Thread Director	✓
Box *	✓	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor basisvermogen	65 W	Intel® Secure Key	✓
Maximaal turbovermogen	180 W	Intel® Active Management Technology (Intel® AMT)	✓
Bus type	DMI4	Intel® Stable Image Platform Program (SIPP)	✓
Maximum aantal DMI lanes	8	Intel® OS Guard	✓
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s	Intel® 64	✓
Codenaam processor	Alder Lake	Intel® Virtualization Technology (VT-x)	✓
ARK ID processor	134591	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugen		Intel® Turbo Boost Max Technology 3.0	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Optane™ Memory Ready	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Boot Guard	✓
Geheugen kanaal *	Dubbelkanaals	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ECC	✓	Grafisch	
Geheugen bandbreedte (max)	76,8 GB/s	Ingebouwde grafische adapter *	✓
Grafisch		Aparte grafische adapter *	✗
On-board graphics adapter model *	Intel UHD Graphics 770	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	On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1
Basisfrequentie ingebouwde grafische adapter	300 MHz	Basisfrequentie ingebouwde grafische adapter	300 MHz
Graphics on-board -adapter dynamische frequentie (max)	1500 MHz	Graphics on-board -adapter dynamische frequentie (max)	1500 MHz

Grafisch		Processor speciale functies	
Aantal displays ondersteund (door on-board grafische adapter)	4	Intel® Volume Management Device (VMD)	✓
On-board grafische adapter DirectX-versie	12.0	Mode-based Execute Control (MBE)	✓
On-board grafische adapter OpenGL versie	4.5	Intel® vPro™ Platform Eligibility	✓
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	Intel® One-Click Recovery (Herstel met 1 klik)	✓
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Intel® virtualisatietechnologie met omleidingsbescherming (VT-rp)	✓
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Intel vPro® Enterprise-platformvoorwaarden	✓
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	Intel® -technologie voor dreigingsdetectie (TDT)	✓
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Intel® Hardware Shield-voorwaarden	✓
On-board grafische adapter ID	0x4680	Intel® totale geheugencodering - Meerdere sleutels	✓
Discreet grafische adapter model *	Niet beschikbaar	Intel vPro® Essentials-platformvoorwaarden	✓
Aantal verwerkingseenheden	32	Eisen aan de omgeving	
Multi-Formaat Codec-motoren	2	Tjunction	100 °C
Kenmerken		Technische details	
Execute Disable Bit	✓	Doelgroep	Gaming, Content Creation
Idle States	✓	OpenCL-versie	2.1
Thermal Monitoring Technologies	✓	Lanceringsdatum	Q1'22
Marktsegment	Desktop	Status	Launched
Gebruiksvoorwaarden	PC/Client/Tablet, Workstation	Logistieke gegevens	
Maximaal aantal PCI Express-lijnen	20	Code geharmoniseerd systeem (HS)	85423119
PCI Express slots versie	5.0, 4.0	Verpakking	
PCI Express configuraties	1x16+1x4, 2x8+1x4	Type verpakking	Retaildoos
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Gewicht en omvang	
Schaalbaarheid	15	Verpakkingsgrootte processor	45 x 37.5 mm
CPU configuratie (max)	1	Overige specificaties	
Ingebouwde opties beschikbaar	✗	Maximum intern geheugen	128 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



5032037237840



5032037237857



0735858503129



735858503129

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.