

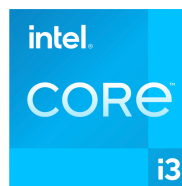
Intel Core i3-12100F processor 12 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071512100F

Productnaam : i3-12100F



Intel Core i3-12100F. 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. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Type verpakking: Retaildoos. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Directe media-interface (DMI) revisie	4.0
Processorgeneratie	Intel® 12de generatie Core™ i3	Export Control Classification Number (ECCN)	5A992CN3
Processormodel *	i3-12100F	Commodity Classification Automated Tracking System (CCATS)	G167599
Processorfamilie *	Intel® Core™ i3	Processor speciale functies	
Aantal processorkernen *	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 1700	Intel® Turbo Boost Technology	2.0
Processor aantal threads	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Prestatiekernen	4	Intel® Speed Shift-technologie	✓
Maximale turbofrequentie van processor	4,3 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Prestatie-kernboostfrequentie	4,3 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Prestatie-kernbasisfrequentie	3,3 GHz	Intel® Thread Director	✗
Processor cache	12 MB	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel® Secure Key	✓
Box *	✓	Intel® OS Guard	✓
Processor basisvermogen	58 W	Intel® 64	✓
Maximaal turbovermogen	89 W	Intel® Virtualization Technology (VT-x)	✓
Bus type	DMI4	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximum aantal DMI lanes	8	Intel® Turbo Boost Max Technology 3.0	✗
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s	Intel® Optane™ Memory Ready	✓
Codenaam processor	Alder Lake	Intel® Boot Guard	✓
ARK ID processor	132223	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Geheugen		Intel® Volume Management Device (VMD)	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Mode-based Execute Control (MBE)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Geheugen kanaal *	Dubbelkanaals	Eisen aan de omgeving	
Geheugen bandbreedte (max)	76,8 GB/s	Tjunction	100 °C
Grafisch		Logistieke gegevens	
Ingebouwde grafische adapter *	✗	Code geharmoniseerd systeem (HS)	85423119
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Desktop		
Gebruiksvoorwaarden	PC/Client/Tablet		
Maximaal aantal PCI Express-lijnen	20		
PCI Express slots versie	4.0, 5.0		

Kenmerken		Verpakking	
PCI Express configuraties	1x16+1x4, 2x8+1x4	Type verpakking	Retaildoos
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Technische details	
Schaalbaarheid	1S	Lanceringsdatum	Q1'22
CPU configuratie (max)	1	Status	Launched
Ingebouwde opties beschikbaar	✗	Gewicht en omvang	
		Verpakkingsgrootte processor	45 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



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