

Intel Core i5-12600KF processor 20 MB Smart Cache Box

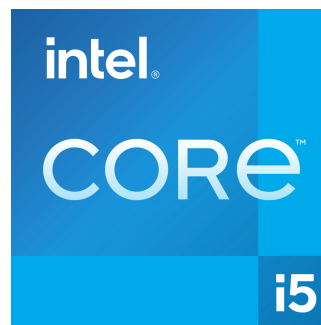
Merk : Intel

Productfamilie: Core

Artikelcode: BX8071512600KF

Productnaam : i5-12600KF

Intel Core i5-12600KF. Processorfamilie: Intel® Core™ i5, 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: 5.0, 4.0. Type verpakking: Retaildoos. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	CPU configuratie (max)	1
Processorgeneratie	Intel® 12de generatie Core™ i5	Ingebouwde opties beschikbaar	✗
Processormodel *	i5-12600KF	Thermal solution specificatie	PCG 2020A
Processorfamilie *	Intel® Core™ i5	Export Control Classification Number (ECCN)	5A992CN3
Aantal processorkernen *	10	Commodity Classification Automated Tracking System (CCATS)	G167599
Processor socket *	LGA 1700	Processor speciale functies	
Component voor	PC	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor aantal threads	16	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Prestatiekernen	6	Enhanced Intel SpeedStep Technology	✓
Efficiënte kernen	4	Intel® Speed Shift-technologie	✓
Maximale turbofrequentie van processor	4,9 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Prestatie-kernboostfrequentie	4,9 GHz	Intel® Thread Director	✓
Prestatie-kernbasisfrequentie	3,7 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Efficiënte kernboostfrequentie	3,6 GHz	Intel® Secure Key	✓
Efficiënte kernbasisfrequentie	2,8 GHz	Intel® OS Guard	✓
Processor cache	20 MB	Intel® 64	✓
Processor cache type	Smart Cache	Intel® Virtualization Technology (VT-x)	✓
Box *	✓	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Processor basisvermogen	125 W	Intel® Turbo Boost Max Technology 3.0	✗
Maximaal turbovermogen	150 W	Intel® Optane™ Memory Ready	✓
Bus type	DMI4	Intel® Boot Guard	✓
Maximum aantal DMI lanes	8	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s	Intel® Volume Management Device (VMD)	✓
Codenaam processor	Alder Lake	Mode-based Execute Control (MBE)	✓
ARK ID processor	134590	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Geheugen		Eisen aan de omgeving	
Maximaal intern geheugen ondersteund door processor	128 GB	Tjunction	100 °C
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM		
Geheugen kanaal *	Dubbelkanaals		
Geheugen bandbreedte (max)	76,8 GB/s		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		

Kenmerken		Logistieke gegevens	
Execute Disable Bit	✓	Code geharmoniseerd systeem (HS) 85423119	
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Desktop		
Gebruiksvoorwaarden	PC/Client/Tablet		
Maximaal aantal PCI Express-lijnen	20		
PCI Express slots versie	5.0, 4.0		
PCI Express configuraties	1x16+1x4, 2x8+1x4		
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0		
Schaalbaarheid	1S		
		Verpakking	
		Type verpakking	Retaildoos
		Technische details	
		Doelgroep	Gaming
		Lanceringsdatum	Q4'21
		Status	Launched
		Gewicht en omvang	
		Verpakkingsgrootte processor	45 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



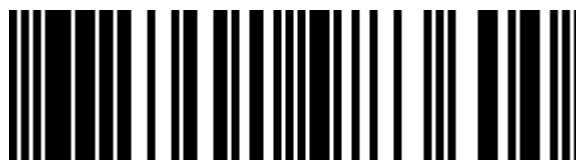
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