

Intel Core i7-10700KF Prozessor 3,8 GHz 16 MB Smart Cache Box

Marke : Intel

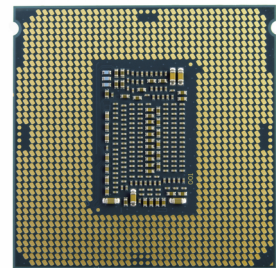
Produktfamilie: Core

Artikel-Code:
BX8070110700KF

Produktname : i7-10700KF

Intel Core i7-10700KF Prozessor (16MB Cache, bis 5.1 GHz)

Intel Core i7-10700KF. Prozessorfamilie: Intel® Core™ i7 Prozessoren der 10. Generation, Prozessorsockel: LGA 1200 (Socket H5), Komponente für: PC. Speicherkanäle: Dual-channel, Maximaler interner Speicher, vom Prozessor unterstützt: 128 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. PCI Express Konfigurationen: 1x16,2x8,1x8+2x4, Unterstützte Befehlssätze: SSE4.1,SSE4.2,AVX 2.0, Skalierbarkeit: 1S. Intel® Turbo Boost Max Technology 3.0 frequency: 5,1 GHz, Intel® Turbo Boost Technology 2.0 frequency: 5 GHz. Verpackungsart: Einzelhandels-Box



Prozessor		Merkmale	
Prozessorhersteller *	Intel	Code des harmonisierten Systems	8542310001
Processor base frequency *	3,8 GHz	Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Prozessorfamilie *	Intel® Core™ i7 Prozessoren der 10. Generation	Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	G077159
Anzahl Prozessorkerne *	8	Prozessor Besonderheiten	
Prozessorsockel *	LGA 1200 (Socket H5)	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Komponente für *	PC	Intel® Identity-Protection-Technologie (Intel® IPT)	✓
Prozessor Lithografie *	14 nm	Intel® Turbo-Boost-Technologie	2.0
Prozessor *	i7-10700KF	Intel® AES New Instructions (Intel® AES-NI)	✓
Prozessor-Threads	16	Verbesserte Intel SpeedStep Technologie	✓
Systembus-Rate	8 GT/s	Intel® Trusted-Execution-Technik	✗
Prozessorbetriebsmodi *	64-Bit	Intel® Thermal Velocity Boost (Thermischer Geschwindigkeitsanstieg)	✗
Prozessor-Cache	16 MB	Intel® Turbo Boost Max Technology 3.0 frequency	5,1 GHz
Prozessor Cache Typ	Smart Cache	Intel® Turbo Boost Technology 2.0 frequency	5 GHz
Thermal Design Power (TDP)	125 W	Intel® Transactional Synchronization Extensions	✗
Box *	✓	Intel® VT-x mit Extended Page Tables (EPT)	✓
TDP-down Frequenz konfigurierbar	3,5 GHz	Intel® Sicherer Schlüssel	✓
Kühler enthalten *	✗	Intel Stable Image Platform Program (SIPP)	✗
TDP-down konfigurierbar	95 W	Intel® OS Guard	✓
Prozessor Boost-Frequenz	5,1 GHz		
Generation	10th Generation		
Durch den Prozessor (max) unterstützte Speicherbandbreite	45,8 GB/s		
Prozessor Codename	Comet Lake		
ARK Prozessorerkennung	199325		
Speicher			
Maximaler interner Speicher, vom Prozessor unterstützt	128 GB		
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM		

Speicher		Prozessor Besonderheiten	
Speichertaktraten, vom Prozessor unterstützt	2933 MHz	Intel® Software Guard Extensions (Intel® SGX)	✓
Speicherkanäle *	Dual-channel	Intel® 64	✓
ECC	✗	Intel® Virtualization Technologie (VT-X)	✓
Grafik		Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Eingebaute Grafikkadapler *	✗	Intel Turbo Boost Max Technology 3.0	✓
Separater Grafikkadapler *	✗	Intel® Optane™ Memory-bereit	✓
On-Board Grafikkadaplermodell *	Nicht verfügbar	Intel® Boot Guard	✓
Dediziertes Grafikkadaplermodell *	Nicht verfügbar	Intel® vPro™ Platform Eligibility	✗
Merkmale		Betriebsbedingungen	
Execute Disable Bit	✓	Tjunction	100 °C
Leerlauf Zustände	✓	Technische Details	
Thermal-Überwachungstechnologien	✓	Zielmarkt	Gaming, Content Creation
Maximale Anzahl der PCI-Express-Lanes	16	Startdatum	Q2'20
PCI-Express-Slots-Version	3.0	Produkttyp	Processor
PCI Express Konfigurationen	1x16,2x8,1x8+2x4	Status	Launched
Unterstützte Befehlssätze	SSE4.1,SSE4.2,AVX 2.0	Maximaler Speicher	128 GB
Skalierbarkeit	1S	Busgeschwindigkeit	8 GT/s
CPU Konfiguration (max)	1	Verpackungsdaten	
Eingebettete Optionen verfügbar	✗	Verpackungsart	Einzelhandels-Box
Spezifikation der thermischen Lösung	PCG 2015D	Gewicht und Abmessungen	
PCI Express CEM Revision	3.0	Prozessor-Paketgröße	37.5mm x 37.5mm
Marktsegment	Desktop	Sonstige Funktionen	
		RAM-Speicher maximal	128 GB



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