

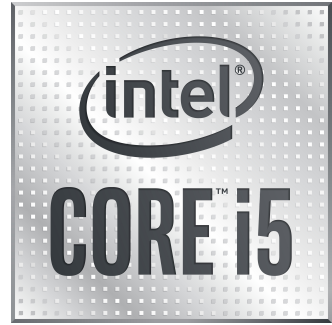
Intel Core i5-10600KF processor 4.1 GHz 12 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8070104282136

Product name : i5-10600KF



Intel Core i5-10600KF Processor (12MB Cache, up to 4.8 GHz)

Intel Core i5-10600KF. Processor family: Intel® Core™ i5, Processor socket: LGA 1200 (Socket H5), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4.8 GHz. Package width: 44 mm, Package depth: 116 mm, Package height: 101 mm



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	G077159
Processor generation	10th gen Intel® Core™ i5	Automated Tracking System (CCATS)	
Processor model *	i5-10600KF	Processor special features	
Processor base frequency *	4.1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	6	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1200 (Socket H5)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	PC	Enhanced Intel SpeedStep Technology	✓
Processor lithography *	14 nm	Intel Trusted Execution Technology	✗
Processor threads	12	Intel® Thermal Velocity Boost	✗
System bus rate	8 GT/s	Intel® Turbo Boost Technology 2.0 frequency	4.8 GHz
Processor operating modes *	64-bit	Intel® Transactional Synchronization Extensions	✗
Processor boost frequency	4.8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	12 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel Stable Image Platform Program (SIPP)	✗
Thermal Design Power (TDP)	125 W	Intel® OS Guard	✓
Box *	✗	Intel Software Guard Extensions (Intel SGX)	✓
Configurable TDP-down frequency	3.8 GHz	Intel 64	✓
Cooler included *	✗	Intel Virtualization Technology (VT-x)	✓
Configurable TDP-down	95 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Generation	10th Generation	Intel Turbo Boost Max Technology 3.0	✗
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel® Optane™ Memory Ready	✓
Processor codename	Comet Lake	Intel® Boot Guard	✓
Processor ARK ID	199315	Intel® vPro™ Platform Eligibility	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	128 GB	Tjunction	100 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	2666 MHz	Target market	Gaming
Memory channels *	Dual-channel	Launch date	Q2'20
ECC	✗		
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		

Features		Technical details	
Execute Disable Bit	✓	Product type	Processor
Idle States	✓	Status	Launched
Thermal Monitoring Technologies	✓	Maximum memory	128 GB
Market segment	Desktop	Supported memory types	DDR4-SDRAM
Maximum number of PCI Express lanes	16	Bus speed	8 GT/s
PCI Express slots version	3.0	Logistics data	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Harmonized System (HS) code	8542310001
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Packaging data	
Scalability	1S	Package width	44 mm
CPU configuration (max)	1	Package depth	116 mm
Embedded options available	✗	Package height	101 mm
Thermal solution specification	PCG 2015D	Package type	Retail box
PCI Express CEM revision	3.0	Weight & dimensions	
Export Control Classification Number (ECCN)	5A992C	Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	128 GB



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