

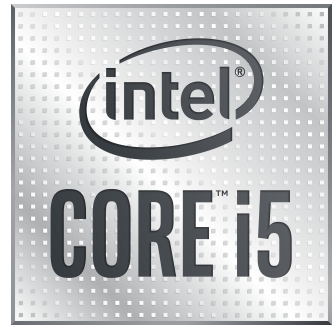
Intel Core i5-10600K processor 4.1 GHz 12 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code:
BX8070110600K

Product name : i5-10600K



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

Intel Core i5-10600K. 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. On-board graphics card model: Intel® UHD Graphics 630, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. 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



Processor		Features	
Processor manufacturer *	Intel	PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor generation	10th gen Intel® Core™ i5	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Processor model *	i5-10600K	Scalability	1S
Processor base frequency *	4.1 GHz	CPU configuration (max)	1
Processor family *	Intel® Core™ i5	Embedded options available	✗
Processor cores *	6	Thermal solution specification	PCG 2015D
Processor socket *	LGA 1200 (Socket H5)	PCI Express CEM revision	3.0
Component for	PC	Harmonized System (HS) code	85423119
Processor lithography *	14 nm	Export Control Classification Number (ECCN)	5A992C
Processor threads	12	Commodity Classification Automated Tracking System (CCATS)	G077159
System bus rate	8 GT/s		
Processor operating modes *	64-bit		
Processor boost frequency	4.8 GHz		
Processor cache	12 MB		
Processor cache type	Smart Cache		
Thermal Design Power (TDP)	125 W		
Box *	✓		
Configurable TDP-down frequency	3.8 GHz		
Cooler included *	✗		
Configurable TDP-down	95 W		
Generation	10th Generation		
Memory bandwidth supported by processor (max)	41.6 GB/s		
Processor codename	Comet Lake		
Processor ARK ID	199311		
Memory		Processor special features	
Maximum internal memory supported by processor	128 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Memory clock speeds supported by processor	2666 MHz	Intel® Turbo Boost Technology	2.0
Memory channels *	Dual-channel	Intel® Quick Sync Video Technology	✓
ECC	✗	Intel® InTru™ 3D Technology	✓
Graphics		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
On-board graphics card *	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Discrete graphics card *	✗	Enhanced Intel SpeedStep Technology	✓
On-board graphics card model *	Intel® UHD Graphics 630	Intel Trusted Execution Technology	✓
Maximum on-board graphics card memory	64 GB	Intel® Thermal Velocity Boost	✗
		Intel® Turbo Boost Technology 2.0 frequency	4.8 GHz
		Intel® Transactional Synchronization Extensions	✗
		Intel VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel Stable Image Platform Program (SIPP)	✓
		Intel® OS Guard	✓
		Intel Clear Video Technology	✓
		Intel Software Guard Extensions (Intel SGX)	✓
		Intel 64	✓

Graphics		Processor special features	
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of displays supported (on-board graphics)	3	Intel Turbo Boost Max Technology 3.0	✗
On-board graphics card 4K support	✓	Intel® Optane™ Memory Ready	✓
On-board graphics card DirectX version	12.0	Intel® Boot Guard	✓
On-board graphics card OpenGL version	4.5	Intel® vPro™ Platform Eligibility	✓
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Operational conditions	
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Tjunction	100 °C
On-board graphics card maximum resolution (HDMI)	4096 x 2160 pixels	Technical details	
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Target market	Gaming
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Launch date	Q2'20
On-board graphics card refresh rate at maximum resolution (HDMI)	30 Hz	Maximum resolution & refresh rate (DisplayPort)	4096 x 2304@60Hz
On-board graphics card ID	0x9BC5	Product type	Processor
Discrete graphics card model *	Not available	Status	Launched
Features		Maximum memory	128 GB
Execute Disable Bit	✓	Supported memory types	DDR4-SDRAM
Idle States	✓	Bus speed	8 GT/s
Thermal Monitoring Technologies	✓	Maximum graphics card memory	64 GB
Market segment	Desktop	Processor ID	0x9BC5
Maximum number of PCI Express lanes	16	Packaging data	
PCI Express slots version	3.0	Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	128 GB



5032037188647



0735858447669



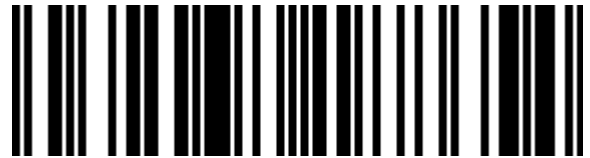
735858447669



0735858447652



735858447652



5032037188654



0735858459396



735858459396

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.