

Intel Core i5-10400 processor 2.9 GHz 12 MB Smart Cache Box

Brand : Intel

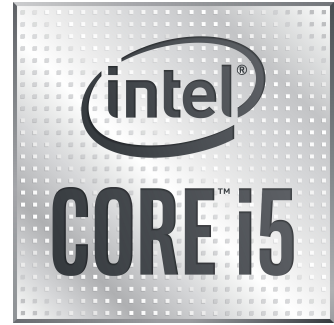
Product family: Core

Product code: BX8070110400

Product name : i5-10400

Intel Core i5-10400 Processor (12MB Cache, up to 4.3 GHz)

Intel Core i5-10400. 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: 4.3 GHz



Processor		Features	
Processor manufacturer *	Intel	Scalability	1S
Processor generation	10th gen Intel® Core™ i5	CPU configuration (max)	1
Processor model *	i5-10400	Embedded options available	✗
Processor base frequency *	2.9 GHz	Thermal solution specification	PCG 2015C
Processor family *	Intel® Core™ i5	PCI Express CEM revision	3.0
Processor cores *	6	Export Control Classification Number (ECCN)	5A992C
Processor socket *	LGA 1200 (Socket H5)	Commodity Classification Automated Tracking System (CCATS)	G077159
Component for	PC	Processor special features	
Processor lithography *	14 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	12	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	8 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel® Quick Sync Video Technology	✓
Processor boost frequency	4.3 GHz	Intel® InTru™ 3D Technology	✓
Processor cache	12 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	65 W	Enhanced Intel SpeedStep Technology	✓
Box *	✓	Intel Trusted Execution Technology	✗
Cooler included *	✓	Intel® Thermal Velocity Boost	✗
Generation	10th Generation	Intel® Turbo Boost Technology 2.0 frequency	4.3 GHz
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel® Transactional Synchronization Extensions	✗
Processor codename	Comet Lake	Intel VT-x with Extended Page Tables (EPT)	✓
Processor ARK ID	199271	Intel® Secure Key	✓
Memory		Intel Stable Image Platform Program (SIPP)	✗
Maximum internal memory supported by processor	128 GB	Intel® OS Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speeds supported by processor	2666 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory channels *	Dual-channel	Intel 64	✓
ECC	✗	Intel Virtualization Technology (VT-x)	✓
Graphics			
On-board graphics card *	✓		
Discrete graphics card *	✗		
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		

Graphics		Processor special features	
On-board graphics card dynamic frequency (max)	1100 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	0x9BC8/0x9BC5	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	0x9BC8 / 0x9BC5
Maximum number of PCI Express lanes	16	Logistics data	
PCI Express slots version	3.0	Harmonized System (HS) code	85423119
PCI Express configurations	1x16, 2x8, 1x8+2x4	Packaging data	
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	128 GB



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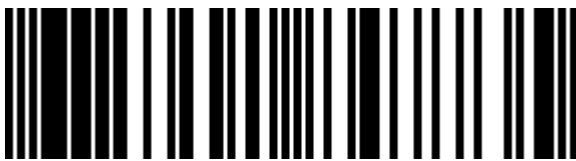
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