

Intel Core i5-13400F processor 20 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX8071513400F

Product name : i5-13400F

Boxed Intel® Core™ i5-13400F Processor (20M Cache, up to 4.60 GHz) FC-LGA16A
 Intel Core i5-13400F. Processor family: Intel® Core™ i5, Processor socket: LGA 1700, Processor manufacturer: Intel. Memory channels: Dual-channel, Maximum internal memory supported by processor: 192 GB, Memory types supported by processor: DDR4-SDRAM, DDR5-SDRAM. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Processor package size: 45 x 37.5 mm. L2 cache: 9728 KB, Maximum internal memory: 192 GB



Processor		Features	
Processor manufacturer *	Intel	CPU configuration (max)	1
Processor generation	13th gen Intel® Core™ i5	Embedded options available	✗
Processor model *	i5-13400F	Direct Media Interface (DMI) Revision	4.0
Processor family *	Intel® Core™ i5	Export Control Classification Number (ECCN)	5A992C
Processor cores *	10	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor socket *	LGA 1700	Processor special features	
Processor threads	16	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Performance cores	6	Intel® AES New Instructions (Intel® AES-NI)	✓
Efficient cores	4	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	4.6 GHz	Intel® Speed Shift Technology	✓
Performance-core boost frequency	4.6 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Performance-core base frequency	2.5 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Efficient-core boost frequency	3.3 GHz	Intel® Thread Director	✓
Efficient-core base frequency	1.8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	20 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel® OS Guard	✓
Box *	✓	Intel 64	✓
Cooler included *	✓	Intel Virtualization Technology (VT-x)	✓
Processor base power	65 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum turbo power	148 W	Intel Turbo Boost Max Technology 3.0	✗
Maximum number of DMI lanes	8	Intel® Boot Guard	✓
Processor codename	Raptor Lake	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor ARK ID	230501	Intel® Volume Management Device (VMD)	✓
Memory		Mode-based Execute Control (MBE)	✓
Maximum internal memory supported by processor	192 GB	Intel® Standard Manageability (ISM)	✓
Memory types supported by processor	DDR4-SDRAM, DDR5-SDRAM	Operational conditions	
Memory channels *	Dual-channel	Tjunction	100 °C
Non-ECC	✓		
Memory bandwidth (max)	76.8 GB/s		
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		

Features		Logistics data	
Idle States	✓	Harmonized System (HS) code	8542310001
Thermal Monitoring Technologies	✓	Technical details	
Market segment	Desktop	Launch date	Q1'23
Use conditions	PC/Client/Tablet	Weight & dimensions	
Maximum number of PCI Express lanes	20	Processor package size	45 x 37.5 mm
PCI Express slots version	4.0, 5.0	Other features	
PCI Express configurations	1x16+1x4, 2x8+1x4	L2 cache	9728 KB
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2	Maximum internal memory	192 GB
Scalability	1S		



5032037260299



0735858528337



735858528337



5032037260305

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.