## Intel Core i5-14400 processor 20 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX8071514400

Product name : i5-14400

Boxed Intel® Core™ i5 processor 14400 (20M Cache, up to 4.70 GHz) FC-LGA16A Intel Core i5-14400. 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. On-board graphics card model: Intel UHD Graphics 730, On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, On-board graphics card dynamic frequency (max): 1550 MHz. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Processor package size: 45 x 37.5 mm





Processor		Features	
Processor manufacturer *	Intel	Thermal Monitoring Technologies	1
Processor generation	Intel Core i5-14xxx	Market segment	Desktop
Processor model *	i5-14400	Use conditions	PC/Client/Tablet
Processor family *	Intel® Core™ i5	Maximum number of PCI Express	20
Processor cores *	10	lanes	
Processor socket *	LGA 1700	PCI Express slots version	4.0, 5.0
Processor threads	16	PCI Express configurations	1x16+1x4, 2x8+1x4
Processor operating modes *	64-bit	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Performance cores	6	Scalability	15
Efficient cores	4	CPU configuration (max)	1
Processor boost frequency	4.7 GHz	Embedded options available	1
Performance-core boost frequency	4.7 GHz	Direct Media Interface (DMI) Revision	4.0
Performance-core base frequency	2.5 GHz	Export Control Classification	
Efficient-core boost frequency	3.5 GHz	Number (ECCN)	5A992C
Efficient-core base frequency	1.8 GHz	Commodity Classification	
Processor cache	20 MB	Automated Tracking System (CCATS)	740.17B1
Processor cache type	Smart Cache		
Box *	✓	Processor special features	
Cooler included *	✓	Intel <sup>®</sup> Hyper Threading Technology	1
Processor base power	65 W	(Intel® HT Technology)	*
Maximum turbo power	148 W	Intel <sup>®</sup> Turbo Boost Technology	2.0
Maximum number of DMI lanes	8	Intel <sup>®</sup> Quick Sync Video Technology	4
Memory bandwidth supported by processor (max)	76.8 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Raptor Lake	Intel® AES New Instructions (Intel®	1
Processor ARK ID	236788	AES-NI)	
Memory		Enhanced Intel SpeedStep Technology	4
Maximum internal memory supported by processor	192 GB	Intel® Speed Shift Technology	1
Memory types supported by processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Memory channels *	Dual-channel	Intel® Control-flow Enforcement Technology (CET)	✓
Memory bandwidth (max)	76.8 GB/s	Intel <sup>®</sup> Thread Director	4
Graphics		Intel VT-x with Extended Page Tables (EPT)	✓
On-board graphics card *	<b>v</b>	Intel <sup>®</sup> Secure Key	1
Discrete graphics card *	×	Intel <sup>®</sup> OS Guard	4
On-board graphics card model *	Intel UHD Graphics 730	Intel 64	1
On-board graphics card outputs supported	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel Virtualization Technology (VT- x)	✓
On-board graphics card dynamic frequency (max)	1550 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of displays supported (on- board graphics)	4	Intel® Boot Guard	✓

Graphics		Processor special features	
On-board graphics card DirectX version	12.0	Intel® Deep Learning Boost (Intel® DL Boost)	∢
On-board graphics card OpenGL version	4.5	Intel® Volume Management Device (VMD)	✓
On-board graphics card maximum resolution (DisplayPort)	7680 x 4320 pixels	Mode-based Execute Control (MBE) Intel® Standard Manageability (ISM)	•
On-board graphics card maximum resolution (eDP - Integrated Flat	5120 x 3200 pixels	Operational conditions	
Panel)		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	OpenCL version Launch date	3.0 Q1'24
On-board graphics card refresh rate at maximum resolution (eDP -		Status	Launched
	120 Hz	Logistics data	
Integrated Flat Panel) On-board graphics card refresh rate		Harmonized System (HS) code	8542310001
at maximum resolution (HDMI)	60 Hz	Weight & dimensions	
On-board graphics card ID	0x4682/0xA782	Processor package size	45 x 37.5 mm
Discrete graphics card model *	Not available	Other features	
Number of execution units	24		0700 KB
Multi-Format Codec Engines	1	L2 cache	9728 KB
Features		Maximum internal memory Graphics output	192 GB eDP 1.4b, DP 1.4a, HDMI 2.1
Execute Disable Bit	1		
Idle States	✓		



5032037279130

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.