

INTEL

Procesor Intel S1700 CORE i5 14400F BOX GEN14

SKU: 17009564 · EAN: 5032037279147

SPECIFIKAT TEKNIKE	
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ATRIBUTI	VLERA
Processor	
Processor manufacturer	Intel
Processor generation	Intel® Core™ i5 (14th gen)
Processor model	i5-14400F
Processor family	Intel® Core™ i5
Processor cores	10
Processor socket	LGA 1700
Processor threads	16
Processor operating modes	64-bit
Performance cores	6
Efficient cores	4
Processor boost frequency	4.7 GHz
Performance-core boost frequency	4.7 GHz
Performance-core base frequency	2.5 GHz
Efficient-core boost frequency	3.5 GHz
Efficient-core base frequency	1.8 GHz
Processor cache	20 MB
Processor cache type	Smart Cache
Package type	Box
Cooler included	Yes
Processor base power	65 W
Maximum turbo power	148 W
Maximum number of DMI lanes	8
Memory bandwidth supported by processor (max)	76.8 GB/s
Processor codename	Raptor Lake
Processor ARK ID	236777
Memory	

Maximum internal memory supported by processor	192 GB
Memory types supported by processor	DDR4-SDRAM, DDR5-SDRAM
Memory channels	Dual-channel
Memory bandwidth (max)	76.8 GB/s
Graphics	
On-board graphics card	No
Discrete graphics card	No
On-board graphics card model	Not available
Discrete graphics card model	Not available
Features	
Execute Disable Bit	Yes
Idle States	Yes
Thermal Monitoring Technologies	Yes
Market segment	Desktop
Use conditions	PC/Client/Tablet
Maximum number of PCI Express lanes	20
PCI Express slots version	4.0, 5.0
PCI Express configurations	1x16+1x4, 2x8+1x4
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Scalability	1S
CPU configuration (max)	1
Embedded options available	No
Direct Media Interface (DMI) Revision	4.0
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	Yes
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	Yes
Enhanced Intel SpeedStep Technology	Yes
Intel® Speed Shift Technology	Yes
Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	Yes
Intel® Control-flow Enforcement Technology (CET)	Yes

Intel® Thread Director	Yes
Intel VT-x with Extended Page Tables (EPT)	Yes
Intel® Secure Key	Yes
Intel® OS Guard	Yes
Intel 64	Yes
Intel Virtualization Technology (VT-x)	Yes
Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel® Boot Guard	Yes
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	Yes
Intel® Volume Management Device (VMD)	Yes
Mode-based Execute Control (MBE)	Yes
Intel® Standard Manageability (ISM)	Yes
Operational conditions	
Tjunction	100 °C
Logistics data	
Harmonized System (HS) code	8542310001
Technical details	
Launch date	Q1'24
Status	Launched
Weight & dimensions	
Processor package size	45 x 37.5 mm
Other features	
L2 cache	9728 KB
Maximum internal memory	192 GB