

SPECIFICATIONS



Intel 13th Gen Raptor Lake Core i5 13500 Processor (OEM/Tray)

Regular Price 32,010

Special Price 29,500

ID: 01.01.024.352

General

Brand	Intel
Series	Not Applicable
Model	Intel Core i5 13500
Cpu Cooler	Included
Code-Name	Raptor Lake
Generation	13th
Sockets Supported	LGA1700

Performance

Processor Type.	Core i5
Base Frequency	Not Applicable
Performance-Core Base Frequency	2.50GHz
Efficient-Core Base Frequency	1.80GHz
Turbo Frequency Max.	4.80GHz
Performance-Core Max Turbo Frequency	4.80GHz
Efficient-Core Max Turbo Frequency	3.50GHz
Core	14
Performance-Cores	6
Efficient-Cores	8
Threads	20
CPU Cache	24MB
L2 Cache	11.5MB
Processor Base Power	65W

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Ryans reserves right to change information including price any time.

Max. Turbo Power	154W
Lithography	Intel 7

Memory Support

Memory Max.	128GB
Memory Type	DDR4-3200MT/s, DDR5-4800MT/s
Memory Channel	2
ECC Memory Supported	Yes

Graphics

Built-in GPU	Yes
Processor Graphics	Intel UHD Graphics 770
Graphics Base Frequency	300 MHz
Graphics Dynamic Frequency Max.	1.55 GHz
Graphics Resolution Max.	7680 x 4320 @ 60Hz (DP)

Technical Info

DirectX Support	12
OpenGL Support	4.5
Approx. Power Consumption	65W
Compatible Products	Chipset: Intel B760, Intel H770, Intel Z790, Intel W680, Intel Q670, Intel H610, Intel H670, Intel B660, Intel Z690

Warranty

Warranty Details	3 Year (No Warranty for Fan or Cooler)
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Others	Max Memory Bandwidth: 76.8 GB/s Graphics Output: eDP 1.4b, DP 1.4a, HDMI 2.1 Execution Units: 32, Max Resolution (HDMI): 4096 x 2160 @ 60Hz, Max Resolution (eDP - Integrated Flat Panel): 5120 x 3200 @ 120Hz Intel Quick Sync Video: Yes Intel Clear Video HD Accelerator: Yes of Displays Supported: 4 Thermal Solution Specification: PCG 2020C Intel Gaussian & Neural Accelerator: 3.0 Intel Thread Director: Yes Intel Deep Learning Boost (Intel DL Boost): Yes Intel Speed Shift Technology: Yes Intel Turbo Boost Technology: 2.0 Intel Hyper-Threading Technology: Yes Intel 64: Yes Instruction Set: 64-bit Instruction Set Extensions: Intel SSE4.1, Intel SSE4.2, Intel AVX2 Idle States: Yes Enhanced Intel SpeedStep Technology: Yes Thermal Monitoring Technologies: Yes Intel Volume Management Device (VMD): Yes
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Specialty	Intel Standard Manageability (ISM), Intel Control-Flow Enforcement Technology, Intel AES New Instructions Secure Key Intel OS Guard, Intel Trusted Execution Technology, Execute Disable Bit, Intel Boot Guard, Mode-based Execute Control (MBEC), Intel Virtualization Technology with Redirect Protection (VT-rp) Intel Virtualization Technology (VT-x), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), PCI Express Revision 5.0 and 4.0, Intel vPro Eligibility, Intel Threat Detection Technology (TDT), Intel Active Management Technology (AMT)
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