

Intel Ultra 7 265KF LGA1851 BOX processzor



20×, 3,3GHz, 5,5GHz, 36MB, 250W, hűtő nélkül, GPU: nincs

Cikkszám: BX80768265KF

Ár:

152 400 Ft

Garancia: 36 Hónap

Product Collection

Intel® Core™ Ultra Processors (Series 2)

Code Name

Products formerly Arrow Lake

Vertical Segment

Desktop

Processor Number

265K

Overall Peak TOPS (Int8)

33

Recommended Customer Price

\$394.00-\$404.00

CPU Specifications

Total Cores

20

of Performance-cores

8

of Efficient-cores

12

Total Threads

20

Max Turbo Frequency

5.5 GHz

Intel® Turbo Boost Max Technology 3.0 Frequency †

5.5 GHz

Performance-core Max Turbo Frequency

5.4 GHz

Efficient-core Max Turbo Frequency

4.6 GHz

Performance-core Base Frequency

3.9 GHz

Efficient-core Base Frequency

3.3 GHz

Cache

30 MB Intel® Smart Cache

Total L2 Cache

36 MB

Processor Base Power

125 W

Maximum Turbo Power

250 W

Intel® Deep Learning Boost (Intel® DL Boost) on CPU

Yes

AI Software Frameworks Supported by CPU

OpenVINO™, WindowsML, DirectML, ONNX RT, WebNN

CPU Lithography

TSMC N3B

Supplemental Information

Marketing Status

Launched

Launch Date

Q4'24

Embedded Options Available

No

Use Conditions

PC/Client/Tablet, Workstation

Datasheet

View now

Memory Specifications

Max Memory Size (dependent on memory type) 

192 GB

Memory Types 

Up to DDR5 6400 MT/s

Maximum Memory Speed

6400 MHz

Max # of Memory Channels 

2

ECC Memory Supported † 

Yes

NPU Specifications

NPU Name†

Intel® AI Boost

NPU Peak TOPS (Int8) 

13

Sparsity Support

Yes

Windows Studio Effects Support

Yes

AI Software Frameworks Supported by NPU

OpenVINO™ , WindowsML, DirectML, ONNX RT, WebNN

Expansion Options

Direct Media Interface (DMI) Revision

4

Max # of DMI Lanes

8

Intel® Thunderbolt™ 4 

Yes

Scalability

1S Only

PCI Express Revision 

5.0 and 4.0

PCI Express Configurations † 

Up to 1x16+2x4, 2x8+2x4,
1x8+4x4

Max # of PCI Express Lanes 

24

Package Specifications

Sockets Supported 

FCLGA1851

Thermal Solution Specification 

PCG 2020A

Max Operating Temperature 

105 °C

Advanced Technologies

Intel® Volume Management Device (VMD) 

Yes

Intel® Gaussian & Neural Accelerator 

3.5

Intel® Thread Director 

Yes

Intel® Speed Shift Technology 

Yes

Intel® Turbo Boost Max Technology 3.0 † 

Yes

Intel® Turbo Boost Technology † 

2.0

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

Security & Reliability

Intel vPro® Eligibility † 

Intel vPro® Enterprise, Intel vPro® Platform

Intel® Threat Detection Technology (TDT)

Yes

Intel® Active Management Technology (AMT) ‡ 

Yes

Intel® Standard Manageability (ISM) ‡ 

Yes

Intel® Remote Platform Erase (RPE) ‡

Yes

Intel® One-Click Recovery ‡

Yes

Intel® Hardware Shield Eligibility ‡ 

Yes

Intel® Control-Flow Enforcement Technology 

Yes

Intel® Total Memory Encryption - Multi Key

Yes

Intel® AES New Instructions 

Yes

Secure Key 

Yes

Intel® Trusted Execution Technology ‡ 

Yes

Execute Disable Bit ‡ 

Yes

Intel® OS Guard

Yes

Intel® Boot Guard 

Yes

Mode-based Execute Control (MBEC) 

Yes

Intel® Stable IT Platform Program (SIPP) 

Yes

Intel® Virtualization Technology with Redirect Protection (VT-rp) ‡

Yes

Intel® Virtualization Technology (VT-x) ‡ 

Yes

Intel® Virtualization Technology for Directed I/O (VT-d) ‡ 

Yes



GPU	nincs
LGA1851	1
Gyártó	Intel
Cache	36
csomagolás	BOX
felhasználás	desktop
fogyasztás	250 W
hűtő nélkül	1
Hyper Threading	Nincs
processzor alap órajele	3.3 GHz
processzor család	Ultra 7
processzor foglalat típusa	LGA1851
processzor magok száma	20
processzor maximális órajele	5.5 GHz