



Codice SKU: **CPUINT804**

EAN: **5032037282109**

Prezzo: 299,00 € (IVA inclusa)

CPU INTEL CORE ULTRA 5 245KF 5,2Ghz 24MB SK1851 BOX

Descrizione

Di base

Product Collection: Intel® Core™ Ultra Processors (Series 2)

Code Name: Products formerly Arrow Lake

Vertical Segment: Desktop

Processor Number: 245K

Overall Peak TOPS (Int8): 30

Specifiche CPU

Total Cores: 14

of Performance-cores: 6

of Efficient-cores: 8

Total Threads: 14

Max Turbo Frequency: 5.2 GHz

Performance-core Max Turbo Frequency: 5.2 GHz

Efficient-core Max Turbo Frequency: 4.6 GHz

Performance-core Base Frequency: 4.2 GHz

Efficient-core Base Frequency: 3.6 GHz

Cache: 24 MB Intel® Smart Cache

Total L2 Cache: 26 MB

Processor Base Power: 125 W

Maximum Turbo Power: 159 W

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

AI Software Frameworks Supported by CPU: OpenVINO™, WindowsML, DirectML, ONNX RT, WebNN

CPU Lithography: TSMC N3B

Specifiche della memoria

Max Memory Size (dependent on memory type): 192 GB

Memory Types: Fino a DDR5 6400 MT/s

Maximum Memory Speed: 6400 MHz

Max # of Memory Channels: 2

ECC Memory Supported : Sì

Specifiche GPU

GPU Name: Intel® Graphics

Graphics Base Frequency: 300 MHz

Graphics Max Dynamic Frequency: 1.9 GHz

GPU Peak TOPS (Int8): 8

Graphics Output: DP2.1 UHBR20, HDM2.1 FRL 12GHz, eDP1.4b

Xe-cores: 4

Max Resolution (HDMI): 4K @ 60Hz (HDMI 2.1 TMDS) 8K @ 60Hz (HDMI2.1 FRL)

Max Resolution (DP): 8K @ 60Hz

Max Resolution (eDP - Integrated Flat Panel): 4K @ 60Hz

DirectX Support: 12

OpenGL Support: 4.5

OpenCL Support: 3

Intel® Quick Sync Video: Sì

of Displays Supported: 4

Device ID: 0x7D67

Intel® Deep Learning Boost (Intel® DL Boost) on GPU: Sì

Specifiche NPU

NPU Name: Intel® AI Boost

NPU Peak TOPS (Int8): 13

Sparsity Support: Sì

Windows Studio Effects Support: Sì

AI Software Frameworks Supported by NPU: OpenVINO™, WindowsML, DirectML, ONNX RT, WebNN

Opzioni di espansione

Direct Media Interface (DMI) Revision: 4

Max # of DMI Lanes: 8

Intel® Thunderbolt™ 4: Sì

Scalability: 1S Only

PCI Express Revision: 5.0 and 4.0

PCI Express Configurations: Fino a 1×16+2×4, 2×8+2×4, 1×8+4×4

Max # of PCI Express Lanes: 24

Specifiche del package

Sockets Supported: FCLGA1851

Thermal Solution Specification: PCG 2020A

Max Operating Temperature: 105 °C

Tecnologie avanzate

Intel® Volume Management Device (VMD): Sì
Intel® Gaussian & Neural Accelerator: 3.5
Intel® Thread Director: Sì
Intel® Speed Shift Technology: Sì
Intel® Turbo Boost Technology: 2.0
Intel® 64: Sì
Instruction Set: 64-bit
Instruction Set Extensions: Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
Idle States: Sì
Enhanced Intel SpeedStep® Technology: Sì
Thermal Monitoring Technologies: Sì

Sicurezza e affidabilità

Intel vPro® Eligibility: Intel vPro® Enterprise, Intel vPro® Platform
Intel® Threat Detection Technology (TDT): Sì
Intel® Active Management Technology (AMT): Sì
Intel® Standard Manageability (ISM): Sì
Intel® Remote Platform Erase (RPE): Sì
Intel® One-Click Recovery: Sì
Intel® Hardware Shield Eligibility: Sì
Intel® Control-Flow Enforcement Technology: Sì
Intel® Total Memory Encryption – Multi Key: Sì
Intel® AES New Instructions: Sì
Secure Key: Sì
Intel® Trusted Execution Technology: Sì
Execute Disable Bit: Sì
Intel® OS Guard: Sì
Intel® Boot Guard: Sì
Mode-based Execute Control (MBEC): Sì
Intel® Stable IT Platform Program (SIPP): Sì
Intel® Virtualization Technology with Redirect Protection (VT-rp): Sì
Intel® Virtualization Technology (VT-x): Sì
Intel® Virtualization Technology for Directed I/O (VT-d): Sì
Intel® VT-x with Extended Page Tables (EPT): Sì