

SPECIFICATIONS



Intel Core Ultra 5 245K Processor (Series 2, Formerly Arrow Lake) - (Fan Not Included)

Regular Price 36,350

Special Price 33,500

ID: 01.01.024.401

General

Brand	Intel
Series	Ultra Series 2
Model	Intel Core Ultra 5 245K
Cpu Cooler	Not Included
Code-Name	Formerly Arrow Lake
Generation	Ultra
Sockets Supported	LGA1851

Performance

Processor Type.	Core Ultra 5
Base Frequency	Not Applicable
Performance-Core Base Frequency	4.20GHz
Efficient-Core Base Frequency	3.60GHz
Turbo Frequency Max.	5.20GHz
Performance-Core Max Turbo Frequency	5.20GHz
Efficient-Core Max Turbo Frequency	4.60GHz
Core	14
Performance-Cores	6
Efficient-Cores	8
Threads	14
CPU Cache	24MB
L2 Cache	26MB
TDP	159W

IDB BHABAN - DHAKA 123/5 BCS Computer City, IDB Bhaban, Dhaka 1207, Tel +88 0960 444 2121 **BANANI - DHAKA** 41 Kamal Ataturk Avenue, Banani, Dhaka 1213, Tel +88 017 55 513 933 **UTTARA - DHAKA** 36 Sonargaon Janapath, Sector 9, Dhaka 1230, Tel +88 017 55 513 930 **MULTIPLAN CENTRE-1, DHAKA** Ground Floor, Shop 141, Multiplan Centre, Dhaka 1205, Tel +88 017 55 513 971 **MULTIPLAN CENTRE-2, DHAKA** Level 4, Shop 401, Multiplan Centre, Dhaka 1205, Tel +88 017 55 513 981 **MULTIPLAN CENTRE-3, DHAKA** Level 4, Shop 430, Multiplan Centre, Dhaka 1205, Tel +88 017 55 554 947 **Shantinagar - DHAKA** Level 4, Shop 441, Eastern Plus, Dhaka 1217, Tel +88 017 55 513 984 **Agrabad - Chattogram** 472 Sheikh Mujib Road, Chowmuhani, Chattogram, Tel +88 017 55 554 930 **GEC Circle - Chattogram** 428 Yunusco City Center, Chattogram, Tel +88 017 55 513 953 **RAJSHAHI Jamal Super Market** 96 Saheb Bazar, Tel +88 017 55 513 961 **Bogura** 845/936 College Road, Kalitola, Tel +88 017 55 513 948 **Khulna Naushin Tower** 11 KDA Avenue, Tel +88 017 55 554 923 **RANGPUR** 624 Asha Centre, GL Roy Road, Tel +88 017 555 13 941 **Barishal** 125 Sadar Road, Kakolimor, Tel +88 017 55 513 945 **MYMENSINGH** 11 C.K Ghosh Road, Tel +88 017 55 513 954

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Processor Base Power	125W
Max. Turbo Power	159W
Lithography	TSMC N3B

Memory Support

Memory Max.	192GB
Memory Type	DDR5 - Up to 6400 MT/s
Memory Channel	Dual
ECC Memory Supported	Yes

Graphics

Built-in GPU	Yes
Processor Graphics	Intel Graphics
Graphics Base Frequency	300MHz
Graphics Dynamic Frequency Max.	1.90GHz
Graphics Resolution Max.	7680 x 4320

Technical Info

DirectX Support	12
OpenGL Support	4.5
Approx. Power Consumption	159W
Compatible Products	Intel Z890 Chipset

Warranty

Warranty Details	3 year
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Others	Overall Peak TOPS (Int8): 30, Intel Deep Learning Boost (Intel DL Boost) on CPU: Yes, AI Software Frameworks Supported by CPU: OpenVINO, WindowsML, DirectML, ONNX RT, WebNN, GPU Peak TOPS (Int8): 8, Graphics Output: DP2.1 UHBR20, HDMI2.1 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, OpenCL Support: 3, Intel Quick Sync Video: Yes, of Displays Supported: 4, Intel Deep Learning Boost (Intel DL Boost) on GPU: Yes, 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, 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, Max Operating Temperature: 105 Degree C, Intel Volume Management Device (VMD): Yes, Intel Gaussian & Neural Accelerator: 3.5
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Specialty

Intel Thread Director: Yes, Intel Speed Shift Technology: 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, 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, Intel VT-x with Extended Page Tables (EPT): Yes.

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