

Features		Processor special features	
Supported instruction sets	SSE4.1, AMX, SSE4.2, AVX 2.0, AVX-512	Intel® Data Streaming Accelerator (DSA)	1 default devices
Scalability	1S	Intel® In-memory Analytics Accelerator (IAA)	0 default devices
CPU configuration (max)	1	Intel® Advanced Matrix Extensions (AMX)	✓
Embedded options available	✗	Operational conditions	
Direct Media Interface (DMI) Revision	4.0	Tcase	76 °C
Export Control Classification Number (ECCN)	5A992C	DTS Max	94 °C
Commodity Classification Automated Tracking System (CCATS)	G180729	Technical details	
Processor special features		Launch date	Q1'23
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Status	Launched
Intel® Turbo Boost Technology	2.0	Supported memory types	DDR4-SDRAM
Intel® AES New Instructions (Intel® AES-NI)	✓	Memory speed (max)	4800 MHz
Enhanced Intel SpeedStep Technology	✓	Package carrier	E1B
Intel Trusted Execution Technology	✓	Logistics data	
Intel® Speed Shift Technology	✓	Harmonized System (HS) code	8542310001
Intel® Turbo Boost Max Technology 3.0 frequency	4.8 GHz	Packaging data	
Intel® Turbo Boost Technology 2.0 frequency	4.6 GHz	Package type	Retail box
Intel® Transactional Synchronization Extensions	✓	Weight & dimensions	
Intel® Total Memory Encryption	✓	Processor package size	77.5 x 56.5 mm
		Other features	
		Maximum internal memory	2 TB



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