

Intel Xeon 3206R processor 1.9 GHz 11 MB Box

Brand : Intel

Product family: Xeon

Product code: BX806953206R

Product name : 3206R



Intel Xeon Bronze 3206R Processor (11MB Cache, up to 1.9 GHz)

Intel Xeon 3206R. Processor family: Intel Xeon Bronze, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package type: Retail box. Processor package size: 76mm x 56.5mm

Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	3206R	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	1.9 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor family *	Intel Xeon Bronze	Intel 64	✓
Processor cores *	8	Intel Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Component for	Server/workstation	Intel Turbo Boost Max Technology 3.0	✗
Processor lithography *	14 nm	AVX-512 Fused Multiply-Add (FMA) units	1
Processor threads	8	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor operating modes *	64-bit	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor boost frequency	1.9 GHz	Intel® Resource Director Technology (Intel® RDT)	✓
Processor cache	11 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	85 W	Intel® Run Sure Technology	✗
Box *	✓	Mode-based Execute Control (MBE)	✓
Cooler included *	✓	Intel® Optane™ DC Persistent Memory Supported	✗
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Processor ARK ID	197101	Intel Speed Select Technology (SST)	✗
		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
		Intel® Optane™ DC Persistent Memory technology	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	1.02 TB	Tcase	78 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	2133 MHz	Launch date	Q1'20
Memory channels *	Hexa-channel	Product type	Processor
ECC	✓	Status	Launched
		Supported memory types	DDR4-SDRAM
		Memory speed (max)	2133 MHz
		Number of UPI links	2
		Servicing status	Baseline Servicing
Graphics		Logistics data	
On-board graphics card *	✗	Harmonized System (HS) code	85423119
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Scalability	2S		
Embedded options available	✗		
PCI Express CEM revision	3.0		
Export Control Classification Number (ECCN)	5A992C		

Features		Packaging data	
Commodity Classification		Package type	Retail box
Automated Tracking System (CCATS)	G077159	Weight & dimensions	
Processor special features		Processor package size	76mm x 56.5mm
Intel® Hyper Threading Technology (Intel® HT Technology)		Other features	
Intel® Turbo Boost Technology		Maximum internal memory	1 TB
Intel® AES New Instructions (Intel® AES-NI)			
Enhanced Intel SpeedStep Technology			



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