

## Intel Xeon 6244 processor 3.6 GHz 24.75 MB

Brand : Intel

Product family: Xeon

Product code:  
CD8069504194202

Product name : 6244



Intel Xeon Gold 6244 Processor (25MB Cache, up to 4.4 GHz)

Intel Xeon 6244. Processor family: Intel® Xeon® Gold, Processor socket: FCLGA3647, Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1024 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 4S. Processor package size: 76mm x 56.5mm. Maximum internal memory: 1000 GB

Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	6244	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	3.6 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor family *	Intel® Xeon® Gold	Intel TSX-NI	✓
Processor cores *	8	Intel 64	✓
Processor socket *	FCLGA3647	Intel Virtualization Technology (VT-x)	✓
Component for	Server/workstation	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor lithography *	14 nm	Intel Turbo Boost Max Technology 3.0	✗
Processor threads	16	AVX-512 Fused Multiply-Add (FMA) units	2
Processor operating modes *	64-bit	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor boost frequency	4.4 GHz	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor cache	24.75 MB	Intel® Resource Director Technology (Intel® RDT)	✓
Thermal Design Power (TDP)	150 W	Intel® Volume Management Device (VMD)	✓
Box *	✗	Intel® Run Sure Technology	✓
Cooler included *	✗	Mode-based Execute Control (MBE)	✓
Processor codename	Cascade Lake	Intel® Optane™ DC Persistent Memory Supported	✓
Processor ARK ID	192442	Intel® vPro™ Platform Eligibility	✓
<b>Memory</b>		Intel Speed Select Technology (SST)	✗
Maximum internal memory supported by processor	1024 GB	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Memory types supported by processor	DDR4-SDRAM	Intel® Optane™ DC Persistent Memory technology	✓
Memory clock speeds supported by processor	2933 MHz	<b>Operational conditions</b>	
Memory channels *	Hexa-channel	Tcase	74 °C
ECC	✓	<b>Technical details</b>	
<b>Graphics</b>		Launch date	Q2'19
On-board graphics card *	✗	Product type	Processor
Discrete graphics card *	✗	Status	Launched
On-board graphics card model *	Not available	Supported memory types	DDR4-SDRAM
Discrete graphics card model *	Not available	Memory speed (max)	2933 MHz
<b>Features</b>		Number of UPI links	3
Execute Disable Bit	✓	Servicing status	Baseline Servicing
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	4S		
Embedded options available	✗		

Features		Logistics data	
PCI Express CEM revision	3.0	Harmonized System (HS) code	85423119
Export Control Classification Number (ECCN)	5A992C	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	G077159	Processor package size	76mm x 56.5mm
Processor special features		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Maximum internal memory	1000 GB
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	✓		
Enhanced Intel SpeedStep Technology	✓		



8592978160647

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.