



# Lenovo Intel Xeon Gold 6248R processor 3 GHz 35.75 MB

Brand : Lenovo

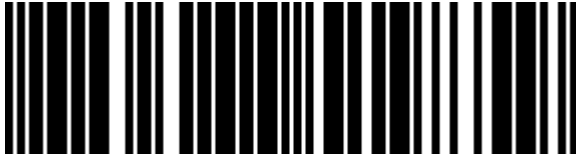
Product code: 4XG7A63280

Product name : Intel Xeon Gold 6248R

Intel Xeon Gold 6248R, 35.75M Cache, 3.00 GHz, w/o Fan  
Lenovo Intel Xeon Gold 6248R. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: 2S. Processor package size: 76 x 56.5 mm. Compatibility: ThinkSystem SR630



Processor		Features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Embedded options available	✗
Processor model *	6248R	<b>Processor special features</b>	
Processor base frequency *	3 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Xeon® Gold	Intel® Turbo Boost Technology	2.0
Processor cores *	24	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 3647 (Socket P)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	14 nm	Intel® Speed Shift Technology	✓
Processor threads	48	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	4 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	35.75 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	205 W	Intel Turbo Boost Max Technology 3.0	✗
Cooler included *	✗	AVX-512 Fused Multiply-Add (FMA) units	2
Bus type	UPI	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Number of QPI links	2	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
<b>Memory</b>		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Maximum internal memory supported by processor	1 TB	<b>Operational conditions</b>	
Memory types supported by processor	DDR4-SDRAM	Tcase	75 °C
Memory clock speeds supported by processor	2933 MHz	<b>Weight &amp; dimensions</b>	
Memory channels *	Hexa-channel	Processor package size	76 x 56.5 mm
ECC	✓	<b>Other features</b>	
<b>Graphics</b>		Compatibility	ThinkSystem SR630
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
<b>Features</b>			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2		
Scalability	2S		



0889488519859



889488519859

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.