



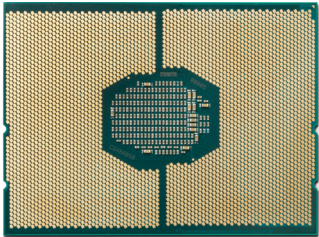
HP 6248R processor 3 GHz 35.75 MB

Brand : HP

Product code: 9VA93AA

Product name : 6248R

Intel Xeon Gold 6248R Processor 35.75MB Cache, up to 4 GHz
HP 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. Supported instruction sets: AVX-512, SSE4.2, AVX, AVX 2.0, Scalability: 2S. Processor package size: 76.0 x 56.5 mm



Processor		Memory	
Processor manufacturer *	Intel	Memory clock speeds supported by processor	2933 MHz
Processor generation	2nd Generation Intel® Xeon® Scalable	Memory channels *	Hexa-channel
Processor model *	6248R	ECC	✓
Processor base frequency *	3 GHz	Graphics	
Processor family *	Intel® Xeon® Gold	On-board graphics card *	✗
Processor cores *	24	Discrete graphics card *	✗
Processor socket *	LGA 3647 (Socket P)	On-board graphics card model *	Not available
Component for	Server/workstation	Discrete graphics card model *	Not available
Processor lithography *	14 nm	Features	
Processor threads	48	Execute Disable Bit	✓
Processor operating modes *	64-bit	Maximum number of PCI Express lanes	48
Processor boost frequency	4 GHz	PCI Express slots version	3.0
Processor cache	35.75 MB	Supported instruction sets	AVX-512, SSE4.2, AVX, AVX 2.0
Thermal Design Power (TDP)	205 W	Scalability	2S
Cooler included *	✗	Operational conditions	
Processor codename	Cascade Lake	Tcase	75 °C
Memory		Logistics data	
Maximum internal memory supported by processor	1 TB	Harmonized System (HS) code	85423119
Memory types supported by processor	DDR4-SDRAM	Weight & dimensions	
		Processor package size	76.0 x 56.5 mm



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