



# DELL Intel Xeon Gold 5120 processor 2.2 GHz 19.25 MB L3

Brand : DELL

Product code: 338-BLUB

Product name : Intel Xeon Gold 5120

Intel Xeon Gold 5120



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The Intel Xeon® Gold 5120 2.20 GHz Fourteen Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the Xeon Gold 5120 2.20 GHz Fourteen Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Features	
Processor generation	1st Generation Intel® Xeon® Scalable	Scalability	S4S
Processor model *	5120	Embedded options available	✗
Processor base frequency *	2.2 GHz	<b>Processor special features</b>	
Processor family *	Intel® Xeon® Gold	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	14	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 3647 (Socket P)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	14 nm	Intel® Speed Shift Technology	✓
Processor threads	28	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.2 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	19.25 MB	Conflict-Free processor	✓
Processor cache type	L3	Intel Turbo Boost Max Technology 3.0	✗
Thermal Design Power (TDP)	105 W	Intel® Optane™ Memory Ready	✗
<b>Memory</b>		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	768 GB	<b>Operational conditions</b>	
Memory types supported by processor	DDR4-SDRAM	Tcase	81 °C
Memory clock speeds supported by processor	2400 MHz	<b>Logistics data</b>	
Memory channels *	Hexa-channel	Harmonized System (HS) code	85423119
ECC	✓	<b>Other features</b>	
<b>Graphics</b>		Compatibility	
On-board graphics card *	✗	- PowerEdge R740 - PowerEdge T640 - PowerEdge T440 - PowerEdge M640 - PowerEdge MX740C - PowerEdge R740xd2 - PowerEdge R940 - PowerEdge C6420 - PowerEdge R540 - PowerEdge C4140 - PowerEdge R640 - PowerEdge R740XD - PowerEdge FC640 - PowerEdge R840 - PowerEdge M640 VRTX - PowerEdge R440 - PowerEdge R940xa - PowerEdge MX840C	
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		



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