DELL Intel Xeon Gold 6134 processor 3.2 GHz 24.75 MB L3

Brand : DELL

Product code: 338-BLNH

Product name : Intel Xeon Gold 6134

Intel Xeon Gold 6134, 24.75M Cache, 3.2 GHz, 130 W TDP, FCLGA3647

DELL Intel Xeon Gold 6134 processor 3.2 GHz 24.75 MB L3:

The Intel Xeon® Gold 6134 3.20 GHz Eight 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 6134 3.20 GHz Eight Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.

Processor	
Processor generation	1st Generation Intel® Xeon® Scalable
Processor model *	6134
Processor base frequency *	3.2 GHz
Processor family *	Intel® Xeon® Gold
Processor cores *	8
Processor socket *	LGA 3647 (Socket P)
Component for	Server/workstation
Processor lithography *	14 nm
Processor threads	16
Processor operating modes *	64-bit
Processor boost frequency	3.7 GHz
Processor cache	24.75 MB
Processor cache type	L3
Thermal Design Power (TDP)	130 W
Stepping	H0

Memory	
Maximum internal memory supported by processor	768 GB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2666 MHz
Memory channels *	Hexa-channel
ECC	✔

Graphics	
On-board graphics card *	✘
Discrete graphics card *	✘
On-board graphics card model *	Not available
Discrete graphics card model *	Not available

Features	
Execute Disable Bit	✔
Market segment	Server

Features	
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	S4S
Embedded options available	✘

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel TSX-NI	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Conflict-Free processor	✔
Intel Turbo Boost Max Technology 3.0	✘
Intel® Optane™ Memory Ready	✘
Intel® vPro™ Platform Eligibility	✔

Operational conditions	
Tcase	79 °C

Other features	
Compatibility	- PowerEdge C4140 - PowerEdge C6420 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX - PowerEdge MX740C - PowerEdge MX840C - PowerEdge R640 - PowerEdge R740 - PowerEdge R740XD - PowerEdge R840 - PowerEdge R940 - PowerEdge R940xa - PowerEdge T640 - PowerEdge XR2

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Publication date: 12-APR-2026. Prints or copies of Information are only valid on the printed Publication date