



Fujitsu Intel Xeon Gold 6144 processor 3.5 GHz 24.75 MB L3

Brand : Fujitsu

Product code: S26361-F4051-L244

Product name : Intel Xeon Gold 6144



Intel Xeon Gold 6144, 8C, 3.5GHz, 150W

Fujitsu Intel Xeon Gold 6144. 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: 768 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: S4S. Processor package size: 76.0 x 56.5 mm



Processor		Features	
Processor generation	1st Generation Intel® Xeon® Scalable	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor model *	6144	Scalability	S4S
Processor base frequency *	3.5 GHz	Embedded options available	✗
Processor family *	Intel® Xeon® Gold	Processor special features	
Processor cores *	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Turbo Boost Technology	2.0
Component for	Server/workstation	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography *	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Xeon Gold 6000 Series	Intel Trusted Execution Technology	✓
Processor threads	16	Intel® Speed Shift Technology	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	4.2 GHz	Intel TSX-NI	✓
Processor cache	24.75 MB	Intel 64	✓
Processor cache type	L3	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	150 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	H0	Conflict-Free processor	✓
Processor codename	Skylake	Intel Turbo Boost Max Technology 3.0	✗
Memory		Intel® Optane™ Memory Ready	✗
Maximum internal memory supported by processor	768 GB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	2666 MHz	Tcase	75 °C
Memory channels *	Hexa-channel	Weight & dimensions	
ECC	✓	Processor package size	76.0 x 56.5 mm
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		



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