

Fujitsu Intel Xeon Gold 6246 processor 3.3 GHz 25 MB L3

Brand : Fujitsu

Product code: S26361-F4082-L346

Product name : Intel Xeon Gold 6246



Intel Xeon Gold 6246, 25M Cache, 3.3 GHz, 165 W TDP, FCLGA3647

Fujitsu Intel Xeon Gold 6246. 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-512, Scalability: 4S. Compatibility: PRIMERGY RX2530 M4



Processor		Processor special features	
Processor model *	6246	Intel® Turbo Boost Technology	2.0
Processor base frequency *	3.3 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® Gold	Enhanced Intel SpeedStep Technology	✓
Processor cores *	12	Intel Trusted Execution Technology	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Speed Shift Technology	✓
Component for	Server/workstation	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography *	14 nm	Intel TSX-NI	✓
Processor series	Intel Xeon Gold 6000 Series	Intel 64	✓
Processor threads	24	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	4.2 GHz	Intel Turbo Boost Max Technology 3.0	✗
Processor cache	25 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache type	L3	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Thermal Design Power (TDP)	165 W	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Cooler included *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Stepping	B1	Intel® Volume Management Device (VMD)	✓
Bus type	UPI	Intel® Run Sure Technology	✓
Processor codename	Cascade Lake	Mode-based Execute Control (MBE)	✓
Memory		Intel® Optane™ DC Persistent Memory Supported	✓
Maximum internal memory supported by processor	1 TB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Memory clock speeds supported by processor	2933 MHz	Operational conditions	
Memory channels *	Hexa-channel	Tcase	76 °C
ECC	✓	Other features	
Graphics		Compatibility	PRIMERGY RX2530 M4
On-board graphics card *	✗		
Discrete graphics card *	✗		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX-512		
Scalability	4S		
Embedded options available	✗		

Processor special features

Intel® Hyper Threading Technology
(Intel® HT Technology) ✓



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