

Fujitsu Intel Xeon Gold 6136 processor 3 GHz 24.75 MB L3

Brand : Fujitsu

Product code: S26361-F4051-E236

Product name : Intel Xeon Gold 6136

Intel Xeon Gold 6136, 12C, 3.0GHz, 150W

Fujitsu Intel Xeon Gold 6136. 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	PCI Express slots version	3.0
Processor model *	6136	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor base frequency *	3 GHz	Scalability	S4S
Processor family *	Intel® Xeon® Gold	Embedded options available	✗
Processor cores *	12	Processor special features	
Processor socket *	LGA 3647 (Socket P)	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Component for	Server/workstation	Intel® Turbo Boost Technology	2.0
Processor lithography *	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel Xeon Gold 6000 Series	Enhanced Intel SpeedStep Technology	✓
Processor threads	24	Intel Trusted Execution Technology	✓
Processor operating modes *	64-bit	Intel® Speed Shift Technology	✓
Processor boost frequency	3.7 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	24.75 MB	Intel TSX-NI	✓
Processor cache type	L3	Intel 64	✓
Thermal Design Power (TDP)	150 W	Intel Virtualization Technology (VT-x)	✓
Stepping	H0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Skylake	Conflict-Free processor	✓
Memory		Intel Turbo Boost Max Technology 3.0	✗
Maximum internal memory supported by processor	768 GB	Intel® Optane™ Memory Ready	✗
Memory types supported by processor	DDR4-SDRAM	Intel® vPro™ Platform Eligibility	✓
Memory clock speeds supported by processor	2666 MHz	Operational conditions	
Memory channels *	Hexa-channel	Tcase	85 °C
ECC	✓	Weight & dimensions	
Graphics		Processor package size	76.0 x 56.5 mm
On-board graphics card *	✗	Features	
Discrete graphics card *	✗	Execute Disable Bit	✓
On-board graphics card model *	Not available	Market segment	Server
Features		Maximum number of PCI Express lanes	48

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