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	
Processor generation	1st Generation Intel® Xeon® Scalable
Processor model *	6136
Processor base frequency *	3 GHz
Processor family *	Intel® Xeon® Gold
Processor cores *	12
Processor socket *	LGA 3647 (Socket P)
Component for	Server/workstation
Processor lithography *	14 nm
Processor series	Intel Xeon Gold 6000 Series
Processor threads	24
Processor operating modes *	64-bit
Processor boost frequency	3.7 GHz
Processor cache	24.75 MB
Processor cache type	L3
Thermal Design Power (TDP)	150 W
Stepping	H0
Processor codename	Skylake

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

Features	
Execute Disable Bit	✔
Market segment	Server
Maximum number of PCI Express lanes	48

Features	
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)	✔
Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Conflict-Free processor	✔
Intel Turbo Boost Max Technology 3.0	✘
Intel® Optane™ Memory Ready	✘
Intel® vPro™ Platform Eligibility	✔

Operational conditions	
Tcase	85 °C

Weight & dimensions	
Processor package size	76.0 x 56.5 mm

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