

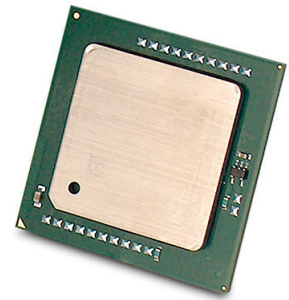


HP Intel Xeon Gold 6140 processor 2.3 GHz 24.75 MB L3

Brand : HP

Product code: 875952-B21

Product name : Intel Xeon Gold 6140



Intel Xeon Gold 6140M, 24.75M Cache, 2.3 GHz, 140 W TDP, FCLGA3647

HP Intel Xeon Gold 6140 processor 2.3 GHz 24.75 MB L3:

Options, accessories, services and support for all your HP and Compaq products.
HP Intel Xeon Gold 6140. 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: 1.54 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: S4S



Processor		Features	
Processor model *	6140M	Market segment	Server
Processor base frequency *	2.3 GHz	Maximum number of PCI Express lanes	48
Processor family *	Intel® Xeon® Gold	PCI Express slots version	3.0
Processor cores *	18	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor socket *	LGA 3647 (Socket P)	Scalability	S4S
Component for	Server/workstation	Embedded options available	✓
Processor lithography *	14 nm	Processor special features	
Processor series	Intel Xeon Gold 6000 Series	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	36	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor boost frequency	3.7 GHz	Intel Trusted Execution Technology	✓
Processor cache	24.75 MB	Intel® Speed Shift Technology	✓
Processor cache type	L3	Intel TSX-NI	✓
Thermal Design Power (TDP)	140 W	Intel 64	✓
Cooler included *	✗	Intel Virtualization Technology (VT-x)	✓
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	1.54 TB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	2666 MHz	Tcase	91 °C
Memory channels *	Hexa-channel		
ECC	✓		
Graphics			
On-board graphics card *	✗		

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