



Intel® Xeon® Gold 6140M Processor

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24.75M Cache, 2.30 GHz

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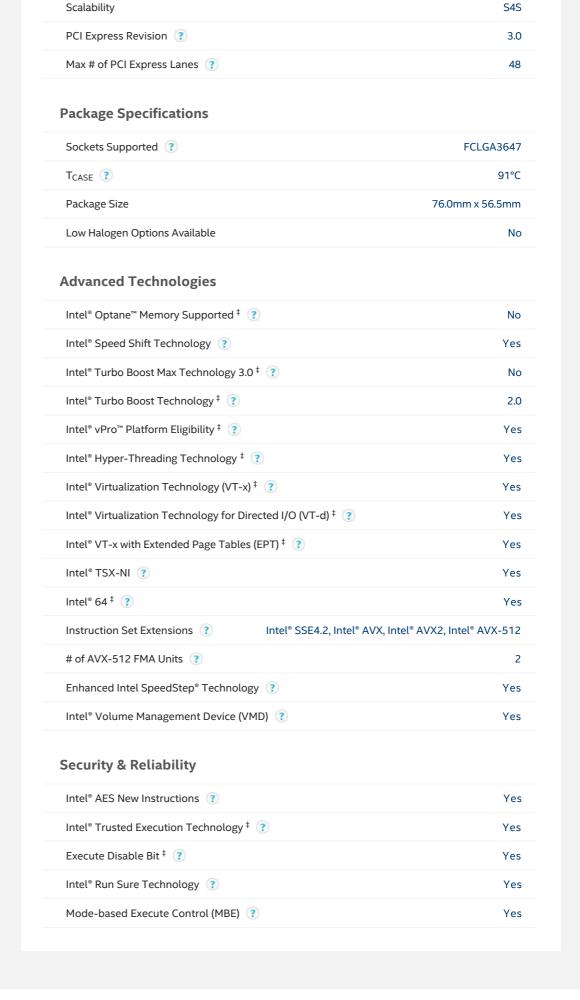
Ordering and Compliance

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Essentials	Export specification
Product Collection	Intel® Xeon® Scalable Processors
Code Name	Products formerly Skylake
Vertical Segment	Server
Processor Number	6140M
Status	Launched
Launch Date ?	Q3'17
Lithography ?	14 nm
Performance	
# of Cores ?	18
# of Threads ?	36
Processor Base Frequency ?	2.30 GHz
Max Turbo Frequency ?	3.70 GHz
Cache ?	24.75 MB L3
# of UPI Links ?	3
TDP ?	140 W
Supplemental Information	
Embedded Options Available ?	No
Datasheet	View now
Product Brief	View now
Memory Specifications	
Max Memory Size (dependent on memory type) 💿	1.46 TB
Memory Types ?	DDR4-2666
Maximum Memory Speed	2666 MHz
Max # of Memory Channels ?	6
ECC Memory Supported [‡] ?	Yes

Expansion Options



More support options for Intel® Xeon® Gold 6140M Processor (24.75M Cache, 2.30 GHz)









Need more help?

Contact support



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/content/www/us/en/processors/processor-numbers.html for details.

See http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html? wapkw=hyper+threading for more information including details on which processors support Intel® HT Technology.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.



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