

PRODUCTS





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Intel® Xeon® E-2254ML Processor

8M Cache, 1.70 GHz

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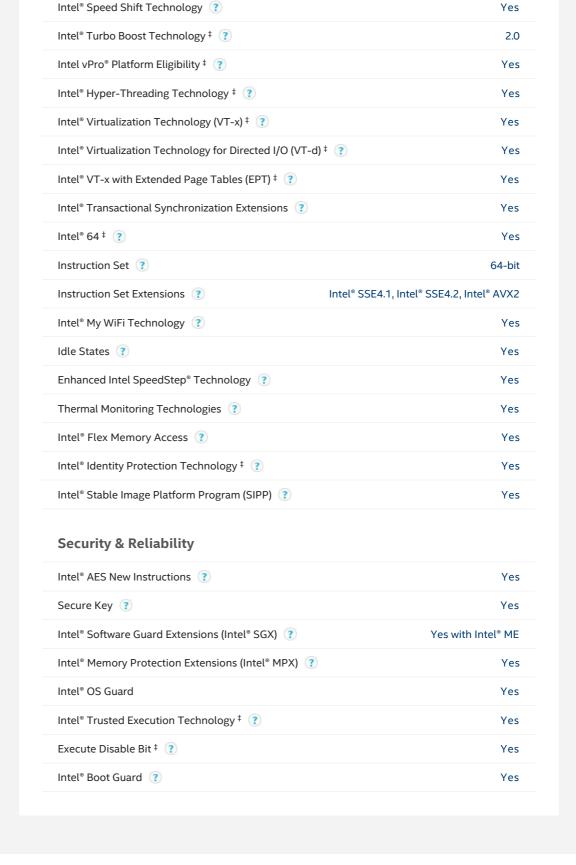
Technical

Documentation

Essentials	Export specification
Listentiats	O Pr P O O O O O O O O O O
Product Collection	Intel® Xeon® E Processor
Code Name	Products formerly Coffee Lake
Vertical Segment	Embedded
Processor Number ?	E-2254ML
Status	Launched
Launch Date ?	Q2'19
Lithography ?	14 nm
Use Conditions ?	Embedded Broad Market Commercial Temp
Recommended Customer Price ?	
# of Cores ?	4
# of Threads ?	8
Processor Base Frequency ?	1.70 GHz
Max Turbo Frequency ?	3.50 GHz
Cache ?	8 MB
Bus Speed ?	8 GT/s
Intel® Turbo Boost Technology 2.0 Frequency‡ 🕡	3.50 GHz
TDP ?	25 W
Supplemental Information	

Embedded Options Available ? Yes

Max Memory Size (dependent on memory type) ?	64
Memory Types ?	DDR4-26
Max # of Memory Channels ?	
ECC Memory Supported † ?	Y
Processor Graphics	
Processor Graphics ‡ 👔	Intel® UHD Graphics P6
Graphics Base Frequency ?	350 M
Graphics Max Dynamic Frequency ?	1.10 0
Graphics Video Max Memory ?	64
Graphics Output ?	eDP/DP/HDMI/I
4K Support 🕐	Yes, at 60
Max Resolution (HDMI) [‡] ?	4096x2160@30
Max Resolution (DP)‡ 🔞	4096x2304@30
Max Resolution (eDP - Integrated Flat Panel)‡ ?	4096x2304@30
Max Resolution (VGA)‡ ?	1
DirectX* Support ?	
OpenGL* Support ?	
Intel® Quick Sync Video ?	,
Intel® InTru™ 3D Technology 😯	Y
Intel® Clear Video HD Technology 😨	Y
Intel® Clear Video Technology 🔞	Y
# of Displays Supported ‡	
Device ID	0x3E
Expansion Options	
PCI Express Revision ?	
PCI Express Configurations ‡ ?	Up to 1x16, 2x8, 1x8+2
Max # of PCI Express Lanes ?	
Package Specifications	
Sockets Supported ?	FCBGA14
Max CPU Configuration	
T _{JUNCTION} ?	•
Package Size	42mm x 28r
Advanced Technologies	



More support options for Intel® Xeon® E-2254ML Processor (8M Cache, 1.70 GHz)





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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.

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.

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.

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.

Check http://ipt.intel.com/ for systems that support Intel® Identity Protection Technology (Intel® IPT).

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