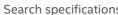
**Products Solutions Support** 







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# Intel<sup>®</sup> Core<sup>™</sup> i5-7440EQ Processor

6M Cache, up to 3.60 GHz

## Specifications

#### Essentials

Performance

Supplemental Information

**Memory Specifications** 

**Processor Graphics** 

**Expansion Options** 

Package Specifications

**Advanced Technologies** 

Security & Reliability

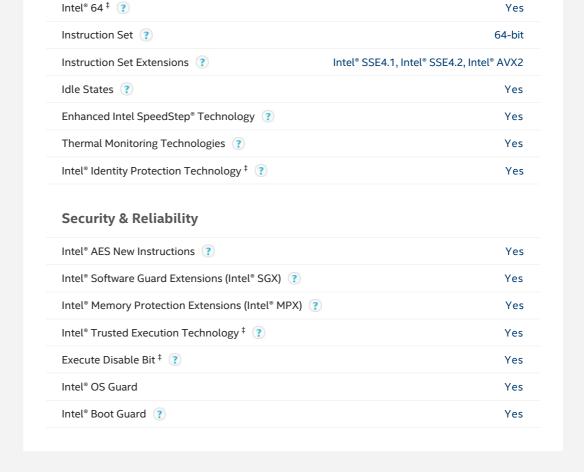
## Ordering and Compliance

#### **Product Images**

Downloads and Software

Essentials	Export specification
Product Collection	7th Generation Intel® Core™ i5 Processors
Code Name	Products formerly Kaby Lake
Vertical Segment	Embedded
Processor Number	i5-7440EQ
Status	Launched
Launch Date ?	Q1'17
Lithography 💽	14 nm
Recommended Customer Price ?	
Use Industrial Commercial Temp, E Conditions ?	mbedded Broad Market Commercial Temp, PC/Client/Tablet
Performance	
# of Cores ?	4
# of Threads ?	4
Processor Base Frequency ?	2.90 GHz
Max Turbo Frequency 🕐	3.60 GHz
Cache ?	6 MB
Bus Speed ?	8 GT/s DMI
TDP ?	45 W
Configurable TDP-down ?	35 W
Supplemental Information	
Embedded Options Available ?	Yes
Datasheet	View now
Memory Specifications	
Max Memory Size (dependent on memory type) ?	64 GB
Memory Types ?	DDR4-2400
Max # of Memory Channels ?	2
Max Memory Bandwidth ?	37.5 GB/s
ECC Memory Supported ‡ ?	No

Processor Graphics	
Processor Graphics <sup>‡</sup> ?	Intel® HD Graphics 6
Graphics Base Frequency ?	350 M
Graphics Max Dynamic Frequency 🔞	1.00 (
Graphics Video Max Memory ?	64
Graphics Output ?	eDP/DP/HDMI/
4K Support 😯	Yes, at 60
Max Resolution (HDMI 1.4)‡ 👔	4096x2304@30
Max Resolution (DP)‡ ?	4096x2304@60
Max Resolution (eDP - Integrated Flat Panel)‡ 🔞	4096x2304@60
Max Resolution (VGA)‡ ?	
DirectX* Support ?	
OpenGL* Support ?	
Intel® Quick Sync Video ?	
Intel® InTru™ 3D Technology ?	,
Intel® Clear Video HD Technology ?	
Intel® Clear Video Technology ?	,
# of Displays Supported <sup>‡</sup>	
Device ID	0x59
PCI Express Revision ?  PCI Express Configurations ‡ ?	Up to 1x16, 2x8, 1x8+
PCI Express Configurations ‡ 👔	Up to 1x16, 2x8, 1x8+
Max # of PCI Express Lanes ?	
Package Specifications	
Sockets Supported ?	FCBGA1
Max CPU Configuration	
T <sub>JUNCTION</sub> ③	10
Package Size	42mm x 28
Advanced Technologies	
Intel® Speed Shift Technology ?	,
Intel® Turbo Boost Technology ‡ 👔	
Intel® vPro™ Platform Eligibility ‡ 👔	
Secure Boot ?	,
Intel® Hyper-Threading Technology ‡ 🕡	
Intel® Hyper-Threading Technology ‡ ?  Intel® Virtualization Technology (VT-x) ‡ ?	,
	,
Intel® Virtualization Technology (VT-x) ‡ ?	



More support options for Intel® Core™ i5-7440EQ Processor (6M Cache, up to 3.60 GHz)





Downloads and Software



**Support Community** 



Warranty and Replacement



# Need more help?

Contact support



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

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

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

‡ 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.

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.

www.intel.com/technology/turboboost/ for more information.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

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

For benchmarking data see http://www.intel.com/performance.

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

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



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