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## 6th Generation Intel® Core™ i5 Processors (formerly Skylake)

Tags:

6th Generation Intel® Core™ i5 Processors (/content/www/us/en/library/viewmore.results.html?prTag=intelproductprocessors/mobileprocessors/6thgenerationintelcorei5processors)

# BOOST PERFORMANCE WHERE YOU NEED IT

Read the mobile product brief (/content/www/us/en/processors/core/6th-gen-core-family-mobile-brief.)

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Videos, crisper. Gaming, more versatile. Performance, more efficient. With Intel® Core™ i5 processor, your systems and devices work smarter than ever so you can work more effectively than ever with an automatic burst of speed when you need it with Intel® Turbo Boost Technology (/content/www/us/en/architecture-and-technology/turbo-boost/turbo-boost-technology.html). With built-in technology like Intel® RealSense™ technology (/content/www/us/en/architecture-and-technology/realsense-overview.html) that allows you to interact with your device with just a gesture and revolutionary 3D scanning, computing just got a little bit more human. With built-in Iris™ graphics (/content/www/us/en/architecture-and-technology/hd-graphics/hd-graphics-developer.html), watch 4K video on multiple screens, create eye-popping content faster and play seamlessly in 3D. Your experience truly comes to life on screen with 6<sup>th</sup> generation Intel® Core™ processors.

Read the desktop product brief (/content/www/us/en/processors/core/6th-gen-core-family-quad-core-desktop-brief.html)

## Mobile Product Specifications

View all mobile Intel® Core™ i5 processors  
(<http://ark.intel.com/products/family/88393/6th-Generation-Intel-Core-i5-Processors#@Mobile>)

Compare all mobile processors  
(<http://ark.intel.com/compare/88190,88193,88962,88959>)

Processor Number	Cache	Clock Speed	# of Cores/# of Threads	Max TDP/Power	Memory Types	Graphics
Intel® Core™ i5-6440HQ Processor (6M Cache, up to 3.50 GHz) ( <a href="http://ark.intel.com/products/8-Core-i5-6440HQ-Processor-6M-Cache-up-to-3_50-GHz">http://ark.intel.com/products/8-Core-i5-6440HQ-Processor-6M-Cache-up-to-3_50-GHz</a> )	6 MB	2.6 GHz	4/4	45 W	DDR4-2133, LPDDR3-1866, DDR3L-1600	Intel® HD 530
Intel® Core™ i5-6300HQ Processor (6M Cache, up to 3.20 GHz) ( <a href="http://ark.intel.com/products/8-Core-i5-6300HQ-Processor-6M-Cache-up-to-3_20-GHz">http://ark.intel.com/products/8-Core-i5-6300HQ-Processor-6M-Cache-up-to-3_20-GHz</a> )	6 MB	2.3 GHz	4/4	45 W	DDR4-2133, LPDDR3-1866, DDR3L-1600	Intel® HD 530

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Processor Number	Cache	Clock Speed	# of Cores/# of Threads	Max TDP/Power	Memory Types	Graphics
Intel® Core™ i5-6300U Processor (3M Cache, up to 3.00 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6300U-Processor-3M-Cache-up-to-3_00-GHz">http://ark.intel.com/products/8Core-i5-6300U-Processor-3M-Cache-up-to-3_00-GHz</a> )	3 MB	2.4 GHz	2/4	15 W	DDR4-2133, LPDDR3-1866, DDR3L-1600	Intel® HD 520
Intel® Core™ i5-6260U Processor (4M Cache, up to 2.90 GHz) ( <a href="http://ark.intel.com/products/9Core-i5-6260U-Processor-4M-Cache-up-to-2_90-GHz">http://ark.intel.com/products/9Core-i5-6260U-Processor-4M-Cache-up-to-2_90-GHz</a> )	4 MB	1.8 GHz	2/4	15 W	DDR4-2133, LPDDR3-1866, DDR3L-1600	Intel® Iris 540
Intel® Core™ i5-6200U Processor (3M Cache, up to 2.80 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6200U-Processor-3M-Cache-up-to-2_80-GHz">http://ark.intel.com/products/8Core-i5-6200U-Processor-3M-Cache-up-to-2_80-GHz</a> )	3 MB	2.3 GHz	2/4	15 W	DDR4-2133, LPDDR3-1866, DDR3L-1600	Intel® HD 520

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## Desktop Product Specifications

View all desktop Intel® Core™ i5 processors  
(<http://ark.intel.com/products/family/88393/6th-Generation-Intel-Core-i5-Processors#@Desktop>)

Compare all desktop processors  
(<http://ark.intel.com/compare/88191,88189,88188,88183,88184,88187,88185>)

Processor Number	Cache	Clock Speed	# of Cores/# of Threads	Max TDP/Power	Memory Types	Graphics
Intel® Core™ i5-6600 Processor (6M Cache, up to 3.90 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6600-Processor-6M-Cache-up-to-3_90-GHz">http://ark.intel.com/products/8Core-i5-6600-Processor-6M-Cache-up-to-3_90-GHz</a> )	6 MB	3.3 GHz	4/4	65 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530
Intel® Core™ i5-6600K Processor (6M Cache, up to 3.90 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6600K-Processor-6M-Cache-up-to-3_90-GHz">http://ark.intel.com/products/8Core-i5-6600K-Processor-6M-Cache-up-to-3_90-GHz</a> )	6 MB	3.5 GHz	4/4	91 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530
Intel® Core™ i5-6600T Processor (6M Cache, up to 3.50 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6600T-Processor-6M-Cache-up-to-3_50-GHz">http://ark.intel.com/products/8Core-i5-6600T-Processor-6M-Cache-up-to-3_50-GHz</a> )	6 MB	2.7 GHz	4/4	35 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530
Intel® Core™ i5-6500 Processor (6M Cache, up to 3.60 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6500-Processor-6M-Cache-up-to-3_60-GHz">http://ark.intel.com/products/8Core-i5-6500-Processor-6M-Cache-up-to-3_60-GHz</a> )	6 MB	3.2 GHz	4/4	65 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530
Intel® Core™ i5-6500T Processor (6M Cache, up to 3.10 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6500T-Processor-6M-Cache-up-to-3_10-GHz">http://ark.intel.com/products/8Core-i5-6500T-Processor-6M-Cache-up-to-3_10-GHz</a> )	6 MB	2.5 GHz	4/4	35 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530
Intel® Core™ i5-6400T Processor (6M Cache, up to 2.80 GHz) ( <a href="http://ark.intel.com/products/8Core-i5-6400T-Processor-6M-Cache-up-to-2_80-GHz">http://ark.intel.com/products/8Core-i5-6400T-Processor-6M-Cache-up-to-2_80-GHz</a> )	6 MB	2.2 GHz	4/4	35 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530

Processor Number	Cache	Clock Speed	# of Cores/# of Threads	Max TDP/Power	Memory Types	Graphics
Intel® Core™ i5-6400 Processor (6M Cache, up to 3.30 GHz) ( <a href="http://ark.intel.com/products/80640">http://ark.intel.com/products/80640</a> ) Core-i5-6400-Processor-6M-Cache-up-to-3_30-GHz	6 MB	2.7 GHz	4/4	65 W	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V	Intel® HD 530

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## Shop

Shop all devices with 6th generation Intel® Core™ processors  
(<http://www.intel.com/buy/us/en/catalog/all-generation-intel-core-i7/sort,onmarket-d/page,1/1060>)



(<http://www.intel.com/buy/us/en/catalog/all-in-one/2-in-1/sort,onmarket-d>)

### 2 in 1

(<http://www.intel.com/buy/us/en/catalog/all-in-one/2-in-1/sort,onmarket-d>)

Choose no more. The most amazing new 2 in 1 devices blend Intel level performance with exceptional tablet mobility into one incredibly versatile, highly capable device.

Shop 2 in 1s  
(<http://www.intel.com/buy/us/en/catalog/laptops/2-in-1/sort,onmarket-d>)



(<http://www.intel.com/buy/us/en/catalog/desktop/allinone/sort,onmarket-d>)

### All-in-One

Why All-in-One PC packages the performance of a complete desktop system into a single, powerful device. Experience Intel level performance as you communicate, create, and explore entertainment with your new computing and media center.

Shop All-in-One PCs  
(<http://www.intel.com/buy/us/en/catalog/desktop/allinone/sort,onmarket-d>)



(<http://www.intel.com/buy/us/en/catalog/laptops/all/sort,onmarket-d>)

### Laptops

2-in-1s with Intel Inside® give you incredibly responsive performance and more power, more flexibility, and more fun.

Shop laptops  
(<http://www.intel.com/buy/us/en/catalog/laptops/all>)



(<http://www.intel.com/buy/us/en/catalog/desktop/all/sort,onmarket-d>)

### Desktops

Unleash your imagination with premium desktops that offer the extreme performance and flexibility you need to power your multimedia, gaming, and creative tools.

Shop desktops  
(<http://www.intel.com/buy/us/en/catalog/desktop/all>)

## Features & Performance



**Ready. Wake. Create.**  
From zero to power in a flash, the 6th generation Intel® Core™ processor wakes quicker than ever and lets you switch in and out of apps more seamlessly than ever.



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**Stunning Visual Experiences**  
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With 6th generation Intel® Core™ processors with ultra HD graphics, your screen comes to life. Watch in a whole



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**Security You Can Trust**  
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Worry-free and hassle-free security is yours. With facial recognition and True Key™ technology, getting you logged in and protected has never been easier or more secure.

new way with 4k screens. Wireless displays let you create and game anywhere.

Learn more  
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(/content/www/us/en/windows/windows-10.html)

The Best Just Got Better  
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When the power of the 6th generation Intel® Core™ processor meets the promise of Windows® 10, bold becomes breathtaking.

Learn more (/content/www/us/en/windows/windows-10.html)

### Learn More about Intel® Core™ Processors



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 Support for desktop processors  
 (http://www.intel.com/p/en\_US/support/highlights/processors/corei5dt)



(http://www.intel.com/p/en\_US/support/highlights/processors/corei5m)  
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(http://ark.intel.com/products/family/84980/5th-Generation-Intel-Core-i5-Processors#@Mobile)  
 Specifications: 5th Generation mobile processors  
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 Interpret Intel® processor numbers.  
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Related Links

[Intel® Core™ i7 Processor Extreme Edition \(/content/www/us/en/processors/core/core-i7-processor.html\)](/content/www/us/en/processors/core/core-i7-processor.html)

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