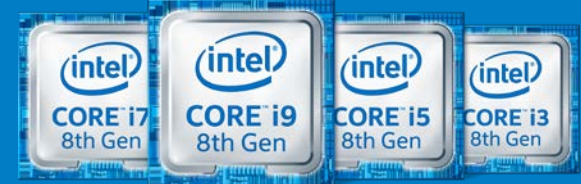


# CHOOSING THE RIGHT INTEL® CORE™ PROCESSOR-BASED LAPTOP

Intel® Core™ Processors are designed to power a wide range of amazing laptops



## CHOOSE THE ULTIMATE IN FORM, FUNCTION & STYLE!



Choosing a balance of performance, mobility & battery life in the right form factor is essential.

2 in 1 personal laptops equipped with Intel® Core™ Processor (Y-Series)



- Ultra-Thin
- Ultra-Mobile
- Balanced Compute

Versatile laptops equipped with Intel® Core™ Processor (U-Series)



- Powerful CPU and graphics in razor-thin form factor
- Intel® HD and UHD Graphics options
- Convertible and clamshell

Intel® Core™ Processor-based clam shell form factor laptops (H-Series)



- Support full performance processors and discrete graphics for amazing gaming and content creation
- Select form factors support more than one HDD/SSD in RAID 0 for ultimate performance

Intel® Core™ Processor-based clam shell laptops supporting overclocking (HK-Series)\*

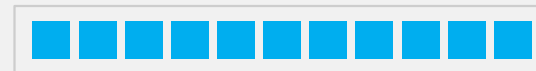
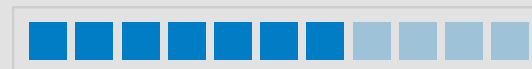
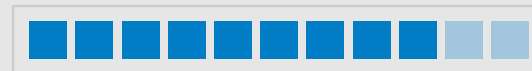
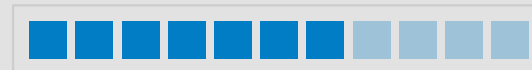
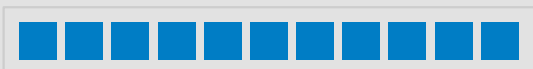
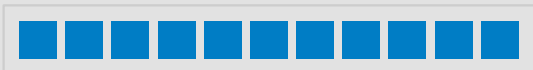


- Built for Enthusiast Gaming with higher frequency processors & discrete graphics
- Overclocking support\*
- Multiple HDD/SSD RAID 0
- Select SKUs include mechanical keyboard for improved gaming function

PORTABILITY

PERFORMANCE

BATTERY LIFE



\*Altering clock frequency or voltage may damage or reduce the useful life of the processor and other system components, and may reduce system stability and performance. Product warranties may not apply if the processor is operated beyond its specifications. Check with the manufacturers of system and components for additional details. Copyright © 2018 Intel Corporation. All rights reserved.

Intel® Core™	i9	-	8	950	HK	Processor
Intel® Core™	i7	-	8	750	H	Processor
Intel® Core™	i7	-	8	565	U	Processor
Intel® Core™	i3	-	8	145	U	Processor
Intel® Core™	m3	-	8	100	Y	Processor

## Y-SERIES PROCESSOR



## U-SERIES PROCESSOR



## H-SERIES PROCESSORS



## HK-SERIES



Higher processor frequency can improve performance.

Lower Thermal Design Power allows for more portability and higher TDP for more compute performance.

An increased number of cores allows more work to be done simultaneously. Larger cache can improve performance.

System memory should scale with application demands.

Intel® UHD Graphics delivers advanced, efficient performance for visual brilliance.

Select the Intel® Core™ processor technologies to meet specific solution requirements.

Processor	Intel CORE m3 8th Gen	Intel CORE i5 8th Gen	Intel CORE i7 8th Gen	Intel CORE i3 8th Gen	Intel CORE i5 8th Gen	Intel CORE i7 8th Gen	Intel CORE i5 8th Gen	Intel CORE i7 8th Gen	Intel CORE i9 8th Gen
Model	m3-8100Y	i5-8200Y	i7-8500Y	i3-8145U	i5-8265U	i7-8565U	i5-8300H	i7-8750H	i9-8950HK
Base Frequency	1.10 GHz	1.30 GHz	1.50 GHz	2.10 GHz	1.60 GHz	1.80 GHz	2.30 GHz	2.20 GHz	2.90 GHz
Max Frequency	3.40 GHz	3.90 GHz	4.20 GHz	3.90 GHz	3.90 GHz	4.60 GHz	4.00 GHz	4.10 GHz	4.80 GHz
TDP	5 W	5 W	5 W	15 W	15 W	15 W	45 W	45 W	45 W
Cores / Threads		2 Cores / 4 Threads		2 Cores / 4 Threads	4 Cores / 8 Threads		4 Cores / 8 Threads	6 Cores / 12 Threads	6 Cores / 12 Threads
Cache		4 MB Cache		4 MB Cache	6 MB Cache	8 MB Cache	8 MB Cache	9 MB Cache	12 MB Cache
Max Memory	16 GB Max Memory			32 GB Max Memory			64 GB Max Memory		
Graphics	Intel® UHD Graphics 615			Intel® UHD Graphics 620			Supports Discrete Graphics with up to 16 PCI Express lanes (Rev 3.0)		
Technologies	Intel® vPro™ Technology* Intel® Stable Image Platform Program* Intel® TSX – NI* Intel® Trusted Execution Technology*			Intel® vPro™ Technology* Intel® Stable Image Platform Program* Intel® TSX – NI* Intel® Trusted Execution Technology*			Intel® vPro™ Technology* Intel® Stable Image Platform Program* Intel® TSX – NI* Intel® Trusted Execution Technology*		
Special Features							Unlocked for Overclocking Intel® Thermal Velocity Boost		

**MAKE SURE IT'S THE LATEST GENERATION**  
**INTEL® CORE™ PROCESSOR**

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer. Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system. Intel, the Intel logo, vPro, are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Other names and brands may be claimed as the property of others. © Intel Corporation. To find out more, visit [ark.intel.com](http://ark.intel.com). Last update 08/2018  
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