

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.

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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 & graphics in Razor-Thin Form factor
- Intel® HD & Intel® Iris™ Plus Graphics Options
- Convertible & Clamshell

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



- Support full performance processors & 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



Y-SERIES PROCESSOR

U-SERIES PROCESSOR

HQ & HK-SERIES PROCESSOR

- Intel® Core™ i7 - 7 820 HK Processor
- Intel® Core™ i7 - 7 820 HQ Processor
- Intel® Core™ i7 - 7 600 U Processor
- Intel® Core™ i7 - 7 Y 75 Processor



HK-Series



Higher processor frequency can improve performance

1.10 GHz
3.0 GHz

1.20 GHz
3.30 GHz

1.30 GHz
3.60 GHz

2.40 GHz
No Turbo Boost*

2.20 GHz
3.70 GHz

2.50 GHz
4.0 GHz

3.0 GHz
No Turbo Boost*

2.50 GHz
3.50 GHz

2.8 GHz
3.8 GHz

2.9 GHz
Unlocked

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

2 Cores
4 Threads

2 Cores
4 Threads

2 Cores
4 Threads

4 Core
4 Threads

4 Cores
8 Threads

4MB Cache

3MB / 4MB Cache

3MB Cache

6 MB Cache

8MB Cache

System memory should scale with application demands

16GB Max Memory

32GB Max Memory

64GB Max Memory

Intel® Iris™ Plus provides significant graphics performance increase

Intel® HD Graphics 615

Intel® HD Graphics 615/620

Intel® Iris™ Plus 640/650

Supports Discrete Graphics

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

Intel® vPro™ Technology*
Intel® Stable Image Platform Program*
Intel® TSX – NI*
Intel® Trusted Execution Technology*

Intel® vPro™ Technology*
Intel® Stable Image Platform Program*
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Overclocking

MAKE SURE IT'S A 7TH GENERATION INTEL® CORE™ PROCESSOR

