







Search specifications



Intel[®] Core[™] i3-8130U Processor

Add to Compare

4M Cache, up to 3.40 GHz

Specifications

Essentials

Performance

Supplemental Information

Memory

Specifications

Processor Graphics

Expansion Options

Package

Specifications

Advanced

Technologies

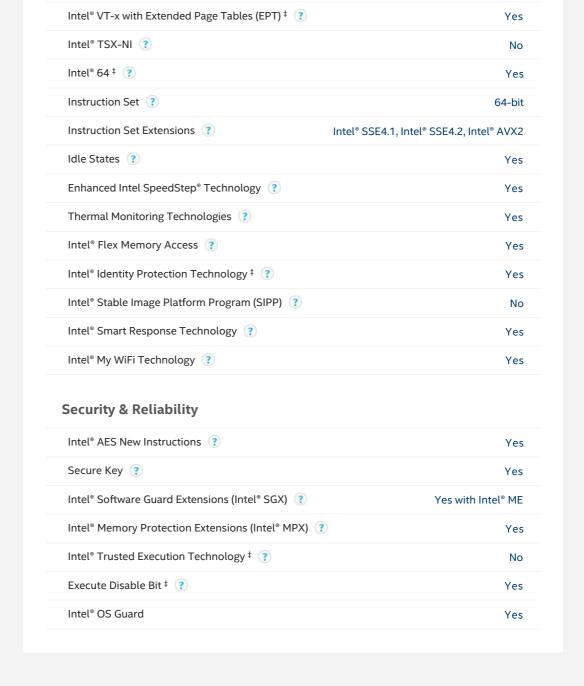
Security & Reliability

Ordering and Compliance

Downloads and Software

Products formerly Kaby Lake Mobile i3-8130L Launchec Q1'18
Mobile i3-8130L Launched Q1'18 14 nm
i3-8130\ Launched Q1'18 14 nm
Launched Q1'18 14 nm
Q1'18 14 nm
14 nn
7
:
2.20 GH:
3.40 GH
4 MB SmartCach
4 GT/s OP
15 V
800 MH:
10 V
No
View nov
32 GI
DDR4-2400, LPDDR3-2133

Processor Graphics	
Processor Graphics ‡ ?	Intel® UHD Graphics
Graphics Base Frequency 💿	300 N
Graphics Max Dynamic Frequency ?	1.00
Graphics Video Max Memory Ţ	32
Graphics Output ?	eDP/DP/HDMI/
4K Support ?	Yes, at 6
Max Resolution (HDMI 1.4)‡ 🔞	4096x2304@2
Max Resolution (DP)‡ 🔞	4096x2304@6
Max Resolution (eDP - Integrated Flat Panel)‡ 🔞	4096x2304@6
DirectX* Support ?	
OpenGL* Support ?	
Intel® Quick Sync Video ?	
Intel® Clear Video HD Technology ?	
Intel® Clear Video Technology ?	
# of Displays Supported ‡	
Device ID	0x5
PCI Express Revision ?	
PCI Express Revision ?	
PCI Express Configurations ‡ ?	1x4, 2x2, 1x2+2x1 and
Max # of PCI Express Lanes ?	
Package Specifications	
Sockets Supported ?	FCBGA1
Max CPU Configuration	
T _{JUNCTION} ?	10
Package Size	42mm X 24
Low Halogen Options Available	
Advanced Technologies	
Intel® Optane™ Memory Supported‡ ?	
Intel® Speed Shift Technology 🔞	
Intel® Turbo Boost Technology ‡ 🔞	
Intel® vPro™ Platform Eligibility ‡ 😯	
Intel® Hyper-Threading Technology ‡ 🕐	
Intel® Virtualization Technology (VT-x)‡ 👔	
Intel® Virtualization Technology for Directed I/O (VT-d)‡ ?	



More support options for Intel® Core™ i3-8130U Processor (4M Cache, up to 3.40 GHz)





Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



contact system vendor for more information on specific products or systems.

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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.

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.

Intel® Smart Response Technology requires a select Intel® Core™ processor, an enabled chipset, Intel® Rapid Storage Technology software, and a properly configured hybrid drive (HDD + small SSD). Depending on system configuration, your results may vary. Contact your system manufacturer for more information

 $See http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology. \\html? wapkw=hyper+threading for more information including details on which processors support Intel® HT Technology. \\$

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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