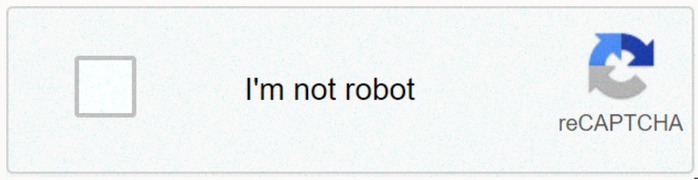

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I5-3230m release date

Older Published January, 2013 Based on the Ivy Bridge model, the Intel Core i5-3230M is a fast and reliable laptop processor. This is a dual-core processor, with each top core at a base speed of 2.6 GHz, with the ability to be exceeded at 3.0 GHz. In addition, the cores can handle up to four simultaneous threads, which improves the performance and use of processor resources. The 3230M also features 4000 hd graphics, which is ca hidden at 650MHz with the ability to go up to 1150 with Turbo Boost, making it reasonably fast. This is a reliable piece of technology that suits any player who wants to play from their laptop. Players can expect good performance from this Processor and will be rewarded with equally good gameplay. Explore 3 laptops with the Intel Core i5 3230M Clock speed 2.6 GHz Turbo clock speed 3.2 GHz Cores Dual core Socket type rPGA 988B Is unlocked No Has a NX bit Yes Supports trusted computing No Has virtualization support Yes Instruction set extensions MMXAESSESSE2SSE4.1SSS EE3Supplement SSE3SSE4.2AVXSSE4 Supports Dynamic Spectrum Scaling Yes Integrated Memory Controller Type Memory DDR3-1600DDR3L-1600DDR3-1333DDR3L-1333 Channels Dual Channel Supports ECC No Maximum bandwidth 25,600 MB/s Maximum memory size 32,768 MB Architecture x86-64 Threads 4 threads L2 cache 0.5 MB L2 cache by core 0.25 MB/core L3 cache 3 MB L3 cache per core 1.5 MB /core Manufacturing Process 22 nm Max Processors 1 Clock multiply 26 Operating Temperature Unknown - 105-C GPU G UPU Label Intel® HD Graphics 4000 Number of screens supported 3 clock speed GPU 650 MHz Turbo clock speed 1100 MHz TDP 35W Annual cost of domestic energy $8.43/an Performance per watt 12.42 pt/ W Typical energy consumption 28.44W Architecture DMI Link 1 Transfer rate 5,000 MT/s Report of a correction All information provided can be changed at any time without notice. Intel can make changes to the manufacturing lifecycle, specifications and product descriptions at any time without notice. The information contained herein is provided as is and Intel makes no representation or guarantee as to the accuracy of the information, nor on the characteristics of the product, availability, functionality or compatibility of the products listed. Please contact the system provider for more information about specific products or systems. Intel classifications are for information purposes only and consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Grid (HTS). Any use made of classifications Intel and should not be construed as a representation or guarantee regarding the appropriate ECCN or HTS. Your company as an importer and/or exporter is responsible for determining the correct classification of your transaction. Check datasheet for formal definitions of product properties and characteristics. This feature may not be available on all Systems. Please check with the system provider to determine if your system offers this feature, or reference system specifications (motherboard, processor, chipset, power supply, hard drive, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for functionality compatibility. The functionality, performance and other benefits of this feature may vary depending on the configuration of the system. Max Turbo Frequency refers to the maximum frequency of the single-core processor that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ more information. Maximum system and TDP is based on worst-case scenarios. The actual TDP may be lower if all I/Os for chipsets are not used. The advertised S6s are not yet available. Please see the launch date for market availability. Processors that support 64-bit computing on Intel architecture® require a BIOS compatible Intel 64 architecture. Check out information, including details about processors that support intel® HT Technology. Some products can support AES's 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 which includes the latest processor configuration update. Intel processor numbers are not a measure of performance. Processor numbers differentiate functionality within each processor family, not between different processor families. See for more details. Check systems that support intel® identity protection technology (Intel® IPT). Wikipedia List Article For a shorter list of the latest processors by Intel, see Intel Microprocessor List - Latest desktop and mobile processors for consumers. This article may require

cleaning to meet Wikipedia's quality standards. The specific problem is: inconsistent column order in the tables Please help improve this article if you can. (August 2015) (Find out how and when to delete this template message) Top of an Intel Core i5-2500K Bottom of an Intel Core i5-2500K The following is a list of intel core i5 brand microprocessors. Introduced in 2009, the Core i5 range of microprocessors is intended to be by consumer users. Nehalem microarchitecture desktop processors (1st generation) Lynnfield (45 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Turbo Boost, Smart Cache. FSB has been replaced by DMI. Transistors: 774 million Size die: 296 mm2 Step by step: B1 Modelnumber sSpecnumber Frequency Turbo Cores L2cache L2cache I/O bus Mult. Memory Voltage TDP Socket Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-750 SLBLC (B1) 2.67 GHz 1/1/4/4[Note 1] 4 4 × 256 KiB 8 MiB DMI 20× 2 × DDR3-1333 0.65–1.4 V 95 W LGA 1156 September 2009 BX80605I5750 BV80605001911AP $196 Core i5-760 SLBRP (B1) 2.8 GHz 1/1/4/4 4 4 × 256 KiB 8 MiB DMI 21× 2 × DDR3-1333 0.65–1.4 V 95 W LGA 1156 July 2010 BX80605I5760 BV80605001908AN $205 Low power Core i5-750S SLBLH (B1) 2.4 GHz 0/0/6/6 4 4 × 256 KiB 8 MiB DMI 18× 2 × DDR3-1333 0.65–1.4 V 82 W LGA 1156 January 2010 BX80605I5750S BV80605003213AH $259 Westmere microarchitecture (1st generation) Clarkdale (MCP, 32 nm dual-core) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2 , Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une implémentation de bits NX), TXT, Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache. Core i5-655K, Core i5-661 ne prend pas en charge Intel TXT et Intel VT-d.[1] Core i5-655K dispose d'un multiplicateur déverrouillé. FSB a été remplacé par DMI. Contient 45 nm « Ironlake » GPU. Transistors: 382 millions Taille die: 81 mm² Transistors graphiques: 177 millions Graphiques et Contrôleur mémoire intégré die taille: 114 mm² Pas à pas: C2, K0 Modelnumber sSpecnumber Fréquence Turbo GPUfrequency Cores L2cache L3cache I/O bus Mult. Memory Voltage TDP Socket Release date Partnumber(s) Releaseprice (USD) Core i5-650 SLBLK (C2) SLBTJ (K0) 3.2 GHz 1/2[Note 1] 733 MHz 2 2 × 256 KiB 4 MiB DMI 24× 2 × DDR3-1333 0.65–1.4 V 73 W LGA 1156 January 2010 CM80616003174AH BX80616I5650 $176 Core i5-655K SLBXL (K0) 3.2 GHz 1/2 733 MHz 2 2 × 256 KiB 4 MiB DMI 24× 2 × DDR3-1333 0.65–1.4 V 73 W LGA 1156 May 2010 CM80616003174AO BX80616I5655K $216 Core i5-660 SLBLV (C2) SLBTK (K0) 3.33 GHz 1/2 733 MHz 2 2 × 256 KiB 4 MiB DMI 25× 2 × DDR3-1333 0.65–1.4 V 73 W LGA 1156 January 2010 CM80616003177AC BX80616I5660 $196 Core i5-661 SLBNE (C2) SLBTB (K0) 3.33 GHz 1/2 900 MHz 2 2 × 256 KiB 4 MiB DMI 25× 2 × DDR3-1333 0.65–1.4 V 87 W LGA 1156 January 2010 CM80616004794AA BX80616I5661 $196 Core i5-670 SLBLT (C2) SLBTL (K0) 3.47 GHz 1/2 733 MHz 2 2 × 256 KiB 4 MiB DMI 26× 2 × DDR3-1333 0.65–1.4 V 73 W LGA 1156 January 2010 CM80616004641AB BX80616I5670 $284 Core i5-680 SLBTM (K0) 3.6 GHz 1/2 733 MHz 2 2 × 256 KiB 4 MiB DMI 27× 2 × DDR3-1333 0.65–1.4 V 73 W LGA 1156 April 2010 CM80616004806AA BX80616I5680 $294 Sandy Bridge microarchitecture (2nd generation) Intel Core i5-2500k Sandy Bridge (dual-core, 32 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), TXT, Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache, Intel Insider, vPro. Transistors: 504 millions Taille de mure: 131 mm² Modelnumber sSpecnumber Cores Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Ultra-low power Core i5-2390T SR065 (Q0) 2 2.7 GHz 4/8[Note 2] 2 × 256 KiB 3 MiB HD Graphics 2000 650–1100 MHz 35 W LGA 1155 DMI 2.0 February 2011 CM8062301002115 $195 Sandy Bridge (quad-core, 32 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Turbo Boost, AES-NI, Smart Cache and Intel Insider. Core i5-2400 et Core i5-2500 support TXT, Intel VT-d et vPro. Tous les modèles supportent la RAM DDR3-1333 à double canal. Les processeurs S sont dotés d'un TDP inférieur à la normale (65W sur les modèles 4 cœurs). Les processeurs T sont dotés d'un TDP encore plus bas (45W sur les modèles 4 cœurs ou 35W sur les modèles 2 cœurs). Les processeurs K sont déverrouillés et conçus pour la surclocking. D'autres processeurs auront une overclocking limitée en raison des limitations chipset. Les processeurs P désactivent le processeur graphique intégré. Transistors: 1.16 billion[3] Die size: 216 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-2300 SR00D (D2) 4 2.8 GHz 1/2/2/3[Note 2] 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 95 W LGA 1155 DMI 2.0 January 2011 CM8062301061502 BX80623I52300 BXC80623I52300 $177 Core i5-2310 SR02K (D2) 4 2.9 GHz 1/2/2/3 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 95 W LGA 1155 DMI 2.0 May 2011 CM8062301043718 BX80623I52310 BXC80623I52310 $177 Core i5-2320 SR02L (D2) 4 3 GHz 1/2/2/3 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 95 W LGA 1155 DMI 2.0 September 2011 CM8062301043820 BX80623I52320 BXC80623I52320 $177 Core i5-2380P SR0G2 (D2) 4 3.1 GHz 1/2/2/3 4 × 256 KiB 6 MiB N/A N/A 95 W LGA 1155 DMI 2.0 January 2012 CM8062301157400 BX80623I52380P BXC80623I52380P $177 Core i5-2400 SR00Q (D2) 4 3.1 GHz 1/2/2/3 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 95 W LGA 1155 DMI 2.0 January 2011 CM8062300834106 BX80623I52400 BXC80623I52400 $184 Core i5-2450P SR0G1 (D2) 4 3.2 GHz 1/2/2/3 4 × 256 KiB 6 MiB N/A N/A 95 W LGA 1155 DMI 2.0 January 2012 CM8062301157300 BX80623I52450P $195 Core i5-2500 SR00T (D2) 4 3.3 GHz 1/2/3/4 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 95 W LGA 1155 DMI 2.0 January 2011 CM8062300834203 BX80623I52500 BXC80623I52500 $205 Core i5-2500K SR008 (D2) 4 3.3 GHz 1/2/3/4 4 × 256 KiB 6 MiB HD Graphics 3000 850–1100 MHz 95 W LGA 1155 DMI 2.0 January 2011 CM8062300833803 BX80623I52500K BXC80623I52500K $216 Core i5-2550K SR0QH (D2) 4 3.4 GHz 1/2/3/4 4 × 256 KiB 6 MiB N/A N/A 95 W LGA 1155 DMI 2.0 January 2012 CM8062301213000 BX80623I52550K $225 Low power Core i5-2400S SR00S (D2) 4 2.5 GHz 1/3/7/8 4 × 256 KiB 6 MiB HD Graphics 2000 850-1100 MHz 65 W LGA DMI 2.0 January 2011 CM8062300835404 CM8062300835404 BXC80623I52400S $195 Core i5-2405S SR0BB (D2) 4 2.5 GHz 1/3/7/8 4 × 256 KiB 6 MiB HD Graphics 3000 850–1100 MHz 65 W LGA 1155 DMI 2.0 May 2011 CM8062301091201 BX80623I52405S $205 Core i5-2500S SR009 (D2) 4 2.7 GHz 1/5/9/10 4 × 256 KiB 6 MiB HD Graphics 2000 850–1100 MHz 65 W LGA 1155 DMI 2.0 January 2011 CM8062300835501 $216 Ultra-low power Core i5-2500T SR00A (D2) 4 2.3 GHz 1/5/9/10 4 × 256 KiB 6 MiB HD Graphics 2000 650–1250 MHz 45 W LGA 1155 DMI 2.0 January 2011 CM8062301001910 $216 Ivy Bridge microarchitecture (3rd generation) Ivy Bridge (dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation) , Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache, Intel Insider. Die size: 93.6mm² or 118 mm² [4][5] Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Ultra-low power Core i5-3470T SR0RJ (L1) 2 2.9 GHz 4/7[Note 2] 2 × 256 KiB 3 MiB HD Graphics 2500 650–1100 MHz 35 W LGA 1155 DMI 2.0 June 2012 CM8063701159502 $184 Ivy Bridge (quad-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Turbo Boost, AES-NI, Smart Cache, Intel Insider. Les processeurs S sont dotés d'un TDP inférieur à la normale (65 W sur les modèles 4 cœurs). Les processeurs T sont dotés d'un TDP encore plus bas (45 W sur les modèles 4 cœurs). Les processeurs K ont déverrouillé les processeurs P multiplicateurs turbo désactiver le processeur graphique intégré i5-3470, i5-3470S, i5-3475S, i5-3550, i5-3550S, i5-3570S et i5-3570T prise en charge Intel TXT, Intel VT-d et vPro. i5-3330, i5-3330S, et i5-3350P support Intel VT-d. Processeurs Non-K ont limité turbo overclocking (extra 4 bacs turbo). Transistors: 1.4 billion Die size: 133 mm² or 160 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-3330 SR0RQ (E1) 4 3 GHz 1/1/2/2[Note 2] 4 × 256 KiB 6 MiB HD Graphics 2500 650–1050 MHz 77 W LGA 1155 DMI 2.0 September 2012 CM8063701134306 BX80637I53330 $182 Core i5-3340 SR0YZ (E1) 4 3.1 GHz 1/1/2/2 4 × 256 KiB 6 MiB HD Graphics 2500 650–1050 MHz 77 W LGA 1155 DMI 2.0 September 2013 CM8063701399700 BX80637I53340 BXC80637I53340 $182 Core i5-3350P SR0WS (E1) 4 3.1 GHz 1/1/2/2 4 × 256 KiB 6 MiB N/A N/A 69 W LGA 1155 DMI 2.0 September 2012 CM8063701392600 BXC80637I53350P BX80637I53350P $177 Core i5-3450 SR0PF (E1) 4 3.1 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 2500 650–1100 MHz 77 W LGA 1155 DMI 2.0 April 2012 CM8063701159406 BX80637I53450 BXC80637I53450 $184 Core i5-3470 SR0T8 (N0) 4 3.2 GHz 2/3/4/4 4 × 256 KiB 6 2500 650–1100 MHz 77 W LGA 1155 DMI 2.0 June 2012 CM8063701093302 BX80637I53470 $184 Core i5-3550 SR0P0 (E1) 4 3.3 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 2500 650–1150 MHz 77 W LGA 1155 DMI 2.0 April 2012 CM8063701093203 BX80637I53550 BXC80637I53550 $205 Core i5-3570 SR0T7 (N0) 4 3.4 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 2500 650–1150 MHz 77 W LGA 1155 DMI 2.0 June 2012 CM8063701093103 BX80637I53570 $205 Core i5-3570K SR0PM (E1) 4 3.4 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4000 650–1150 MHz 77 W LGA 1155 DMI 2.0 April 2012 CM8063701211800 BX80637I53570K BXC80637I53570K $225 Low power Core i5-3330S SR0RR (E1) 4 2.7 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 2500 650–1050 MHz 65 W LGA 1155 DMI 2.0 September 2012 CM8063701159804 $177 Core i5-3335S SR0TJ (E1) 4 2.7 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 4000 650–1050 MHz 65 W LGA 1155 DMI 2.0 September 2012 CM8063701277200 $194 Core i5-3340S SR0YH (E1) 4 2.8 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 2500 650–1050 MHz 65 W LGA 1155 DMI 2.0 September 2013 CM8063701387400 BX80637I53340S $182 Core i5-3450S SR0P2 (E1) 4 2.8 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 2500 650–1100 MHz 65 W LGA 1155 DMI 2.0 April 2012 CM8063701095104 BX80637I53450S $184 Core i5-3470S SR0TA (N0) 4 2.9 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 2500 650–1100 MHz 65 W LGA 1155 DMI 2.0 June 2012 CM8063701094000 $184 Core i5-3475S SR0PP (E1) 4 2.9 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 4000 650–1100 MHz 65 W LGA 1155 DMI 2.0 June 2012 CM8063701212000 $201 Core i5-3550S SR0P3 (E1) 4 3 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 2500 650–1150 MHz 65 W LGA 1155 DMI 2.0 April 2012 CM8063701095203 $205 Core i5-3570S SR0T9 (N0) 4 3.1 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 2500 650–1150 MHz 65 W LGA 1155 DMI 2.0 June 2012 CM8063701093901 $205 Ultra-low power Core i5-3570T SR0P1 (E1) 4 2.3 GHz 6/7/9/10 4 × 256 KiB 6 MiB HD Graphics 2500 650–1150 MHz 45 W LGA 1155 DMI 2.0 April 2012 CM8063701094903 $205 Haswell microarchitecture (4th generation) Haswell-DT (dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache, Intel Insider, vPro. Transistors: 1,4 milliard Die taille: 177mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Date de sortie Partnumber(En) s) Releaseprice (USD) Ultra-faible puissance Core i5-4570T SR14R (C0) SR1CA (C0) 2 2.9 GHz 4/7[Note 2] 2 × 256 KiB 4 MiB HD Graphics 4600 200-1150 MHz 35 W LGA 1150 DMI 2.0 Juin 2013 CM8064601466203 CM8064601481905 BX80646I54570T BXC80646I54570T $192 Ultra-faible puissance, embedded Core i5-4570TE SR17Z (C0) 2 2.7 GHz 3.3 GHz 2 × 256 KiB 4 MiB HD Graphics 4600 MHz 35 W LGA 1150 DMI 2.0 Juin 2013 CM8064601484301 $192 « Haswell-DT » (quad-core, 22 nm, 4ème génération) Tous les modèles support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une implémentation NX bit), Intel VT-x, Turbo Boost, AES-NI, Smart Cache, Intel Insider. Tous les modèles en dehors d'Intel i5-4670K support Intel VT-d. Intel Core i5-4570, Core i5-4570S, Core i5-4590, Core i5-4590S, Core i5-4590T, Core i5-4670, Core i5-4670S, Core i5-4670T support vPro, TXT. Transistors: 1.4 billion Die size: 185mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-4430 SR14G (C0) 4 3 GHz 0/1/2/2[Note 2] 4 × 256 KiB 6 MiB HD Graphics 4600 350–1100 MHz 84 W LGA 1150 DMI 2.0 June 2013 CM8064601464802 BX80646I54430 BXC80646I54430 $182 Core i5-4440 SR14F (C0) 4 3.1 GHz 0/1/2/2 4 × 256 KiB 6 MiB HD Graphics 4600 350–1100 MHz 84 W LGA 1150 DMI 2.0 September 2013 CM8064601464800 BX80646I54440 BXC80646I54440 $182 Core i5-4460 SR1QK (C0) 4 3.2 GHz 0/1/2/2 4 × 256 KiB 6 MiB HD Graphics 4600 350–1100 MHz 84 W LGA 1150 DMI 2.0 May 2014[6] CM8064601560722 BX80646I54460 BXC80646I54460 $182 Core i5-4570 SR14E (C0) 4 3.2 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1150 MHz 84 W LGA 1150 DMI 2.0 June 2013 CM8064601464707 BX80646I54570 BXC80646I54570 $192 Core i5-4590 SR1QJ (C0) 4 3.3 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1150 MHz 84 W LGA 1150 DMI 2.0 May 2014[6] CM8064601560615 BX80646I54590 BXC80646I54590 $192 Core i5-4670 SR14D (C0) 4 3.4 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 84 W LGA 1150 DMI 2.0 June 2013 CM8064601464706 BX80646I54670 BXC80646I54670 $213 Core i5-4670K SR14A (C0) 4 3.4 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 84 W LGA 1150 DMI 2.0 June 2013 CM8064601464506 BX80646I54670K BXF80646I54670K BXC80646I54670K $242 Core i5-4690 SR1QH (C0) 4 3.5 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 84 W LGA 1150 DMI 2.0 May 2014[6] CM8064601560516 BX80646I54690 BXC80646I54690 $213 Core i5-4690K SR21A (C0) 4 3.5 GHz 2/3/4/4 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 88 W LGA 1150 DMI 2.0 June 2014 CM8064601710803 BX80646I54690K BXF80646I54690K BXC80646I54690K $242 Low power Core i5-4430S SR14M (C0) 4 2.7 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 4600 350-1100 MHz 65 W LGA 1150 DMI 2.0 Juin 2013 CM8064601465803 $182 Core i5-4440S SR14L (C0) 4 2.8 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 4600 350-1 100 MHz 65 W LGA 1150 DMI 2.0 Septembre 2013 CM8064601465804 BX80646I54440S $182 Core i5-4460S SR1QQ (C0) 4 2.9 GHz 1/2/4/5 4 × 256 KiB 6 MiB HD Graphics 4600 350-1100 MHz 65 W LGA 1150 DMI 2.0 mai 2014[7] $182 Core i5-4570S SR14J (C0) 4 2.9 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 4600 350–1150 MHz 65 W LGA 1150 DMI 2.0 June 2013 CM8064601465605 BX80646I54570S $192 Core i5-4590S SR1QN (C0) 4 3 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 4600 350–1150 MHz 65 W LGA 1150 DMI 2.0 May 2014[7] CM8064601561214 BX80646I54590S $192 Core i5-4670S SR14K (C0) 4 3.1 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 65 W LGA 1150 DMI 2.0 June 2013 CM8064601465703 $213 Core i5-4690S SR1QP (C0) 4 3.2 GHz 3/4/6/7 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 65 W LGA 1150 DMI 2.0 May 2014[7] CM8064601561313 BX80646I54690S $213 Ultra-low power Core i5-4460T SR1S7 (C0) 4 1.9 GHz 4/5/7/8 4 × 256 KiB 6 MiB HD Graphics 4600 350-1100 MHz 35 W LGA 1150 DMI 2.0 March 2014 CM8064601561827 $182 Core i5-4590T SR1H3 (C0) SR1S6 (C0) 4 2 GHz 6/7/9/10 4 × 256 KiB 6 MiB HD Graphics 4600 350–1150 MHz 35 W LGA 1150 DMI 2.0 May 2014[7] CM8064601481927 CM8064601561826 $192 Core i5-4670T SR14P (C0) 4 2.3 GHz 6/7/9/10 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 45 W LGA 1150 DMI 2.0 June 2013 CM8064601466003 $213 Core i5-4690T SR1QT (C0) 4 2.5 GHz 6/7/9/10 4 × 256 KiB 6 MiB HD Graphics 4600 350–1200 MHz 45 W LGA 1150 DMI 2.0 May 2014[7] CM8064601561613 $213 Haswell-H (MCP, quad-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost , AES-NI, Smart Cache, Intel Insider. Core i5-4570R and Core i5-4670R also contain Crystalwell: 128 MiB eDRAM built at (22 nm) acting as L4 cache Transistors: 1.4 billion Die size: 264mm² + 84mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-4570R SR18P (C0) 4 2.7 GHz 3/3/5/5[Note 2] 4 × 256 KiB 4 MiB Iris Pro Graphics 5200 200–1150 MHz 65 W BGA-1364 DMI 2.0 June 2013 CL8064701508603 $255 Core i5-4670R SR18M (C0) 4 3 GHz 4/5/6/7 4 × 256 KiB 4 MiB Iris Pro Graphics 5200 200–1300 MHz 65 W BGA-1364 DMI 2.0 June 2013 CL8064701508403 $276 Broadwell microarchitecture (5th generation) Broadwell-H (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3 , SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une implémentation de bits NX), Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Smart Cache, Intel Insider. Tous les modèles contiennent également « Crystal Well »: 128 MiB eDRAM construit à (22 nm) agissant comme L4 cache Transistors: Die taille: Modelnumber sSpecnumber Cores Fréquence Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I / O date de sortie de bus Partnumber(s) Release prix (USD) Core i5-5575R SR2AK (G0) 4 2.8 GHz 3/3/5/5 4 × 256 KiB 4 MiB Iris Pro Graphics 6200 300-1050 MHz 65 W DMI 2.0 June 2015 FH8065802483402 $244 Core i5-5675C SR2FX (G0) 4 3.1 GHz 3/3/5/5 4 × 256 KiB 4 MiB Iris Pro Graphics 6200 300–1100 MHz 65 W LGA 1150 DMI 2.0 June 2015 CM8065802483201 BX80658I55675C $276 Core i5-5675R SR2AJ (G0) 4 3.1 GHz 3/3/5/5 4 × 256 KiB 4 MiB Iris Pro Graphics 6200 300–1100 MHz 65 W BGA-1364 DMI 2.0 June 2015 FH8065802483401 $265 Skylake microarchitecture (6th generation) Skylake-S (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Smart Cache, Intel Insider. Les modèles embarqués supportent également Intel vPro, Intel TXT. Transistors: Die size: Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-6400 SR2BY (R0) SR2L7 (R0) 4 (4) 2.7 GHz 4/5/6/6 4 × 256 KiB 6 MiB HD Graphics 530 350–950 MHz 65 W LGA 1151 DMI 3.0 September 2015 CM8066201920506 BX80662I56400 BXC80662I56400 $182 Core i5-6402P SR2NJ (R0) 4 (4) 2.8 GHz 4/5/6/6 4 × 256 KiB 6 MiB HD Graphics 510 350–950 MHz 65 W LGA 1151 DMI 3.0 December 2015 CM8066201920509 BX80662I56402P BXC80662I56402P $182 Core i5-6500 SR2BX (R0) SR2L6 (R0) 4 (4) 3.2 GHz 1/2/3/4 4 × 256 KiB 6 MiB HD Graphics 530 350–1050 MHz 65 W LGA 1151 DMI 3.0 September 2015 CM8066201920404 BX80662I56500 BXC80662I56500 $192 Core i5-6600 SR2BW (R0) SR2L5 (R0) 4 (4) 3.3 GHz 3/4/5/6[8] 4 × 256 KiB 6 MiB HD Graphics 530 350–1150 MHz 65 W LGA 1151 DMI 3.0 September 2015 CM8066201920401 BX80662I56600 BXC80662I56600 $213 Core i5-6600K SR2BV (R0) SR2L4 (R0) 4 (4) 3.5 GHz 1/2/3/4 4 × 256 KiB 6 MiB HD Graphics 530 350–1150 MHz 91 W LGA 1151 DMI 3.0 August 2015 CM8066201920300 BX80662I56600K BXC80662I56600K $243 Low power Core i5-6400T SR2BS (R0) SR2L1 (R0) 4 (4) 2.2 GHz 3/3/5/6 4 × 256 KiB 6 MiB HD Graphics 530 350–950 MHz 35 W LGA 1151 DMI 3.0 September 2015 CM8066201920000 BXC80662I56400T $182 Core i5-6500T SR2BZ (R0) SR2L8 (R0) 4 (4) 2.5 GHz 3/3/5/6 4 × 256 KiB 6 MiB HD Graphics 530 350–1100 MHz 35 W LGA 1151 DMI 3.0 September 2015 CM8066201920600 BXC80662I56500T $192 Core i5-6600T SR2C0 (R0) SR2L9 (R0) 4 (4) 2.7 GHz 6/6/7/8 4 × 256 KiB 6 MiB HD Graphics 530 350–1100 MHz 35 W LGA 1151 DMI 3.0 September 2015 CM8066201920601 BXC80662I56600T $213 Low power , embedded Core i5-6500TE SR2LR (R0) 4 (4) 2.3 GHz ?/?/?/10 4 × 256 KiB 6 MiB HD Graphics 530 350–1000 MHz 35 W LGA 1151 DMI 3.0 September 2015 CM8066201938000 $192 Skylake-H (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Cache, Intel Insider, Intel TXT, Intel SGX, Intel MPX. Transistors: Die size: Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-6585R SR2QR (N0) SR2TY (N0) 4 (4) 2.8 GHz ?/?/?/8 4 × 256 KiB 6 MiB Iris Pro Graphics 580 350–1100 MHz 65 W BGA 1440 DMI 3.0 May 2016 JQ8066201926704 JQ8066201926706 $255 Core i5-6685R SR2QS (N0) SR2TZ (N0) 4 (4) 3.2 GHz ?/?/?/6 4 × 256 KiB 6 MiB Iris Pro Graphics 580 350–1150 MHz 65 W BGA 1440 DMI 3.0 May 2016 JQ8066201926705 JQ8066201926707 $288 Kaby Lake microarchitecture (7th generation) Kaby Lake-S (14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64 , bit XD (implémentation de bits NX), Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Intel TSX-NI, Smart Cache. i5-7500 et plus (sauf les modèles K) également prendre en charge Intel vPro, Intel TXT. Les modèles de faible puissance supportent également le TDP configurable (cTDP) vers le bas. Les modèles embarqués supportent également la mémoire ECC, mais ne supporte pas Intel TSX-NI. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-7400 SR32W (B0) 4 (4) 3 GHz 3/3/4/5 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 65 W LGA 1151 DMI 3.0 January 2017 BX80677I57400 BXC80677I57400 CM8067702867050 $182 Core i5-7500 SR335 (B0) 4 (4) 3.4 GHz 2/2/3/4 4 × 256 KiB 6 MiB HD Graphics 630 350–1100 MHz 65 W LGA 1151 DMI 3.0 January 2017 BX80677I57500 BXC80677I57500 CM8067702868012 $192 Core i5-7600 SR334 (B0) 4 (4) 3.5 GHz 4/4/5/6 4 × 256 KiB 6 MiB HD Graphics 630 350–1150 MHz 65 W LGA 1151 DMI 3.0 January 2017 BX80677I57600 BXC80677I57600 CM8067702868011 $213 Core i5-7600K SR32V (B0) 4 (4) 3.8 GHz 2/2/3/4 4 × 256 KiB 6 MiB HD Graphics 630 350–1150 MHz 91 W LGA 1151 DMI 3.0 January 2017 BX80677I57600K BXC80677I57600K CM8067702868219 $242 Low power Core i5-7400T SR332 (B0) 4 (4) 2.4 GHz 4/4/5/6 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 35 W LGA 1151 DMI 3.0 January 2017 BX80677I57400T BXC80677I57400T CM8067702867915 $182 Core i5-7500T SR337 (B0) 4 (4) 2.7 GHz 4/4/5/6 4 × 256 KiB 6 MiB HD Graphics 630 350–1100 MHz 35 W LGA 1151 DMI 3.0 January 2017 BX80677I57500T BXC80677I57500T CM8067702868115 $192 Core i5-7600T SR336 (B0) 4 (4) 2.8 GHz 7/7/8/9 4 × 256 KiB 6 MiB HD Graphics 630 350–1100 MHz 35 W LGA 1151 DMI 3.0 January 2017 BX80677I57600T BXC80677I57600T CM8067702868117 $213 Kaby Lake-X (14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x , Intel VT-d, Turbo Boost, AES-NI, Intel TSX-NI, Smart Modelnumber (modelnumber) (modelnumber) Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-7640X SR3FR (B0) 4 (4) 4 GHz 0/1/1/2 4 × 256 KiB 6 MiB N/A N/A 112 W LGA 2066 DMI 3.0 June 2017 BX80677I57640X BXC80677I57640X CM8067702868730 $242 Coffee Lake microarchitecture (8th/9th generation) Coffee Lake-S (14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Smart Cache. i5-8500 ou plus prend également en charge: Intel TSX-NI, Intel vPro, Intel TXT. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-8400 SR3QT (U0) 6 (6) 2.8 GHz 10/10/11/11/11/12 6 × 256 KiB 9 MiB UHD Graphics 630 350–1050 MHz 65 W LGA 1151 DMI 3.0 October 2017 CM8068403358811 BX80684I58400 BXC80684I58400 $182 Core i5-8500 SR3XE (U0) 6 (6) 3 GHz 9/9/10/10/10/11 6 × 256 KiB 9 MiB UHD Graphics 630 350–1100 MHz 65 W LGA 1151 DMI 3.0 April 2018 CM8068403362607 BX80684I58500 BXC80684I58500 $192 Core i5-8600 SR3X0 (U0) 6 (6) 3.1 GHz 10/10/11/11/11/12 6 × 256 KiB 9 MiB UHD Graphics 630 350–1150 MHz 65 W LGA 1151 DMI 3.0 April 2018 CM8068403358607 BX80684I58600 BXC80684I58600 $213 Core i5-8600K SR3QU (U0) 6 (6) 3.6 GHz 5/5/6/6/6/7 6 × 256 KiB 9 MiB UHD Graphics 630 350–1150 MHz 95 W LGA 1151 DMI 3.0 October 2017 CM8068403358508 BX80684I58600K BXC80684I58600K $257 Core i5-9400 SR3X5 (U0) SRELV (P0) SRG0Y (R0) 6 (6) 2.9 GHz 10/10/11/11/11/12 6 × 256 KiB 9 MiB UHD Graphics 630 350-1050 MHz 65 W LGA 1151 DMI 3.0 January 2019 CM8068403358816 CM8068403875504 BX80684I59400 BXC80684I59400 CM8068403875505 $182 Core i5-9400F SRF6M (U0) SRFAH (P0) SRG0Z (R0) 6 (6) 2.9 GHz 10/10/11/11/11/12 6 × 256 KiB 9 MiB N/A N/A 65 W LGA 1151 DMI 3.0 January 2019 CM8068403358819 BX80684I59400F BXC80684I59400F CM8068403875509 CM8068403875510 $182 Core i5-9500 SRF4B (U0) 6 (6) 3 GHz 4.4 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350-1100 MHz 65 W LGA 1151 DMI 3.0 April 2019 CM8068403362610 BX80684I59500 BXC80684I59500 $192 Core i5-9500F SRF6Q (U0) SRG10 (R0) 6 (6) 3 GHz 4.4 GHz 6 × 256 KiB 9 MiB N/A N/A 65 W LGA 1151 DMI 3.0 April 2019 CM8068403362616 CM8068403875414 BX80684I59500F BXC80684I59500F $192 Core i5-9600 SRF4H (U0) 6 (6) 3.1 GHz 4.6 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350-1150 MHz 65 W LGA 1151 DMI 3.0 April 2019 CM8068403358610 BX80684I59600 BXC80684I59600 $ 213 Core i5-9600K SRELU (P0) SRG11 (R0) 6 (6) 3.7 GHz 6/6/7/7/8/9 6 × 256 KiB 9 MiB UHD Graphics 630 350-1150 MHz 95 W LGA 1151 DMI 3.0 Octobre 2018 CM8068403874404 BX80684I59600K BXC8068484I59600K CM806840387405 $262 Core i5-9600KF SRFAD (P0) SRG12 (R0) 6 (6) GHz 6/6/7/7/8/9 6 × 256 KiB 9 MiB N/A N/A 95 W LGA 1151 DMI 3.0 January 2019 BX80684I59600KF BXC80684I5960KF CM8068403874409 CM8068403874410 $263 Low power Core i5-8400T SR3X6 (U0) 6 (6) 1.7 GHz 13/13/14/14/15/16 6 × 256 KiB 9 MiB UHD Graphics 630 350–1050 MHz 35 W LGA 1151 DMI 3.0 April 2018 CM8068403358913 $182 Core i5-8500T SR3XD (U0) 6 (6) 2.1 GHz 11/11/12/12/13/14 6 × 256 KiB 9 MiB UHD Graphics 630 350–1100 MHz 35 W LGA 1151 DMI 3.0 April 2018 CM8068403362509 $192 Core i5-8600T SR3X3 (U0) 6 (6) 2.3 GHz 12/12/13/13/13/14 6 × 256 KiB 9 MiB UHD Graphics 630 350–1150 MHz 35 W LGA 1151 DMI 3.0 April 2018 CM8068403358708 $213 Core i5-9400T SR3X8 (U0) 6 (6) 1.8 GHz 3.4 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1050 MHz 35 W LGA 1151 DMI 3.0 April 2019 CM8068403358915 $182 Core i5-9500T SRF4D (U0) 6 (6) 2.2 GHz 3.7 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1100 MHz 35 W LGA 1151 DMI 3.0 April 2019 CM8068403362510 $192 Core i5-9600T SRF4F (U0) 6 (6) 2.3 GHz 3.9 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1150 MHz 35 W LGA 1151 DMI 3.0 April 2019 CM8068403358709 $213 Standard power, embedded Core i5-9500E SRGQX (U0) 6 (6) 3 GHz 4.2 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350-1100 MHz 65 W LGA 1151 DMI 3.0 June 2019 CM8068404404932 $192 Low power, embedded Core i5-9500TE SRGQZ (U0) 6 (6) 2.2 GHz 3.6 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1100 MHz 35 W LGA 1151 DMI 3.0 June 2019 CM8068404404726 $192 Comet Lake microarchitecture (10th generation) Comet Lake-S (14 nm) All models support : MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une mise en œuvre de bits NX), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache. Tous les modèles supportent jusqu'à la mémoire DDR4-2666. Les modèles de faible puissance et K supportent également le TDP configurable (cTDP) vers le bas. Overclocking: Multiplicateur déverrouillé sur les modèles K et KF. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-10400 SRH3C (G1) SRH78 (Q0) 6 (12) 2.9 GHz 4.3 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1100 MHz 65 W LGA 1200 DMI 3.0 April 2020 CM8070104290715 CM8070104282718 BX8070110400 BXC8070110400 $182 Core i5-10400F SRH3D (G1) SRH79 (Q0) 6 (12) 2.9 GHz 4.3 GHz 6 × 256 KiB 12 MiB N/A N/A 65 W LGA 1200 DMI 3.0 April 2020 CM8070104290716 CM8070104282719 BX8070110400F BXC8070110400F $157 Core i5-10500 SRH3A (G1) 6 (12) 3.1 GHz 4.5 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1150 MHz 65 W LGA 1200 DMI 3.0 April 2020 CM8070104290511 BX8070110500 BXC8070110500 $192 Core i5-10600 SRH37 (G1) 6 (12) 3.3 GHz 4.8 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1200 MHz 65 W LGA 1200 DMI 3.0 April 2020 CM8070104290312 BX8070110600 BXC8070110600 $213 Core i5-10600K SRH6R (Q0) 6 (12) 4.1 GHz 4.8 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1200 MHz 125 W LGA 1200 DMI 3.0 April 2020 CM8070104282134 BX8070110600K BXC8070110600K $262 Core i5-10600KF SRH6S (Q0) 6 (12) 4.1 GHz 4.8 GHz 6 × 256 KiB 12 MiB N/A N/A 125 W LGA 1200 DMI 3.0 April 2020 CM8070104282136 BX8070110600KF BXC8070110600KF $237 Standard power, embedded Core i5-10500E SRH6C (G1) SRJFL (Q0) 6 (12) 3.1 GHz 4.2 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1150 MHz 65 W LGA 1200 DMI 3.0 April 2020 CM8070104422310 CM8070104510607 $195 Low power Core i5-10400T SRH3F (G1) 6 (12) 2 GHz 3.6 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1100 MHz 35 W LGA 1200 DMI 3.0 April 2020 CM8070104290806 $182 Core i5-10500T SRH3B (G1) 6 (12) 2.3 GHz 3.8 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1150 MHz 35 W LGA 1200 DMI 3.0 April 2020 CM8070104290606 $192 Core i5-10600T SRH39 (G1) 6 (12) 2.4 GHz 4.0 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1200 MHz 35 W LGA 1200 DMI 3.0 April 2020 CM8070104290410 $213 Low power, embedded Core i5-10500TE SRH6D (G1) 6 (12) 2.3 GHz 3.7 GHz 6 × 256 KiB 12 MiB UHD Graphics 630 350-1150 MHz 35 W LGA 1200 DMI 3.0 April 2020 CM8070104422406 $195 Mobile processors Westmere microarchitecture (1st generation) Arrandale (MCP, 32 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x,[9] Hyper-threading, Turbo Boost, Smart Cache. série i5-5xx (i5-520M, i5-520E, i5-540M, i5-560M, i5-580M, i5-520UM, i5-540UM, i5-560UM) prend en charge AES-NI, TXT et Intel VT-d. [10] FSB a été remplacé par DMI. Contient 45 nm « Ironlake » GPU. Transistors: 382 millions Taille die: 81 mm² Transistors graphiques: 177 millions Graphiques et Contrôleur mémoire intégré die taille: 114 mm² Pas à pas: C2, K0 Core i5-520E a le soutien de la mémoire ECC et PCI express port bifurcation. Modelnumber sSpecnumber Frequency Turbo GPUfrequency Cores L2cache L3cache I/O bus Mult. Memory Voltage TDP Socket Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-430M SLBPM (C2) SLBPN (C2) 2.27 GHz 2/2[Note 1] 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 17× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 January 2010 CP80617004161AD CN80617004161AD OEM Core i5-450M SLBTZ (K0) SLBTY (K0) 2.4 GHz 2/2 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 18× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 June 2010 CP80617004119AI CN80617004119AI OEM Core i5-460M SLBZW (K0) SLC22 (K0) 2.53 GHz 2/2 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 19× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 September 2010 CP80617004116AI CN80617004116AI OEM Core i5-480M SLC27 (K0) SLC26 (K0) 2.67 GHz 2/2 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 20× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 January 2011 CP80617005487AC CN80617005487AC OEM Core i5-520M SLBNB (C2) SLBNA (C2) SLBU4 (K0) 2.4 GHz 2/4 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 18× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 January 2010 CP80617004119AE CN80617004119AE BX80617I5520M $225 Core i5-540M SLBPG (C2) SLC2D (K0) SLBPF (C2) SLBTV (K0) 2.53 GHz 2/4 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 19× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 January 2010 CP80617004116AD CN80617004116AD BX80617I5540M $257 Core i5-560M SLBTS (K0) SLBTT (K0) 2.67 GHz 2/4 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 20× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 September 2010 CP80617005487AA CP80617005487AA BX80617I5560M $225 Core i5-580M SLC28 (K0) SLC29 (K0) 2.67 GHz 2/5 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 20× 2 × DDR3-1066 0.775–1.4 V 35 W Socket G1 BGA-1288 September 2010 CP80617005487AD CN80617005487AD BX80617I5580M $266 Standard power , embedded Core i5-520E SLBP6 (C2) SLBXK (K0) 2.4 GHz 2/4 500–766 MHz 2 2 × 256 KiB 3 MiB DMI 18× 2 × DDR3-1066 0.775–1.4 V 35 W BGA-1288 January 2010 CN80617004461AB OEM Ultra-low power Core i5-430UM SLBVS (K0) 1.2 GHz 2/4 166–500 MHz 2 2 × 256 KiB 3 MiB DMI 9× 2 × DDR3-800 0.725–1.4 V 18 W BGA-1288 May 2010 CN80617006042AE OEM Core i5-470UM SLBXP (K0) 1.33 GHz 2/4 166–500 MHz 2 2 × 256 KiB 3 MiB DMI 10× 2 × DDR3-800 0.725–1.4 V 18 W BGA-1288 October 2010 CN80617005190AI OEM Core i5-520UM SLBQP (C2) SLBSQ (K0) 1.07 GHz 2/4 166–500 MHz 2 2 × 256 KiB 3 MiB DMI 8× 2 × DDR3-800 0.725–1.4 V 18 W BGA-1288 January 2010 CN80617005352AA $241 Core i5-540UM SLBUJ (K0) 1.2 GHz 2/4 166–500 MHz 2 2 × 256 KiB 3 MiB DMI 9× 2 × DDR3-800 0.725–1.4 V 18 W BGA-1288 May 2010 CN80617006042AD $250 Core i5-560UM SLBSN (K0) 1.33 GHz 2/4 166–500 MHz 2 2 × 256 KiB 3 MiB DMI 10× 2 × DDR3-800 0.725–1.4 V 18 W BGA-1288 September 2010 CN80617005190AH $250 Sandy Bridge microarchitecture (2nd generation) Sandy Bridge (32 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Hyper-threading, Turbo Boost, AES-NI, Smart Cache. Tous les modèles, à l'exception de Core i5-24xxM support TXT et Intel VT-d. Core i5-2430M/i5-2435M et i5-2410M/i5-2415M peuvent prendre en charge AES-NI avec ordinateur portable OEM fourni bios configuration de configuration de processeur mise à jour. [11] Core i5-2515E a le soutien de la mémoire ECC. Transistors: 624 millions Die taille: 149 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Date de sortie Partnumber(s) Releaseprice (USD) Standard power Core i5-2410M SR04B (J1) SR04G (J1) 2 2.3 GHz 3/6[Note 2] 2 × 256 KiB 3 MiB HD Graphics 3000 650-1200 MHz 35 W Socket G2 BGA-1023 DMI 2.0 Février 2011 FF8062700845205 AV8062700845406 $225 Noyau i5-2415M SR071 (J1) 2 2,3 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650-1300 MHz BGA-1023 DMI 2.0 Q1 2011 AV8062701085700 OEM Core i5-2430M SR04W (J1) SR072 (J1) 2 2.4 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650–1200 MHz 35 W Socket G2 BGA-1023 DMI 2.0 October 2011 FF8062700995505 AV8062701085800 $225 Core i5-2435M SR06Y (J1) 2 2.4 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650–1300 MHz 35 W BGA-1023 DMI 2.0 September 2011 AV8062700995706 $225 Core i5-2450M SR0CH (J1) SR04Z (J1) SR06Z (J1) 2 2.5 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650–1300 MHz 35 W Socket G2 BGA-1023 BGA-1023 DMI 2.0 January 2012 FF8062700995606 AV8062700995805 AV8062700995806 $225 Core i5-2520M SR048 (J1) SR04A (J1) 2 2.5 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 3000 650–1300 MHz 35 W Socket G2 BGA-1023 DMI 2.0 February 2011 FF8062700840017 AV8062700844214 $225 Core i5-2540M SR044 (J1) SR049 (J1) SR046 (J1) SR042 (J1) 2 2.6 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 3000 650–1300 MHz 35 W Socket G2 Socket G2 BGA-1023 BGA-1023 DMI 2.0 February 2011 FF8062700839209 FF8062700840102 AV8062700839411 AV8062700844302 $266 Standard power, embedded Core i5-2510E SR02U (D2) 2 2.5 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650–1100 MHz 35 W Socket G2 DMI 2.0 February 2011 FF8062700853304 $266 Core i5-2515E SR075 (D2) 2 2.5 GHz 3/6 2 × 256 KiB 3 MiB HD Graphics 3000 650–1100 MHz 35 W BGA-1023 DMI 2.0 February 2011 AV8062700853208 $266 Ultra-low power Core i5-2467M SR0CT (J1) SR0D4 (J1) SR0D6 (J1) 2 1.6 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 3000 350–1150 MHz 17 W BGA-1023 DMI 2.0 June 2011 AV8062701047504 $250 Core i5-2537M SR03W (J1) 2 1.4 GHz 6/9 2 × 256 KiB 3 MiB HD Graphics 3000 350–900 MHz 17 W BGA-1023 DMI 2.0 February 2011 AV8062701047107 $250 Core i5-2557M SR03X (J1) SR0CS (J1) 2 1.7 GHz 7/10 2 × 256 KiB 3 MiB HD Graphics 3000 350–1200 MHz 17 W BGA-1023 BGA-1023 DMI 2.0 June 2011 AV8062701047202 AV8062701047204 $250 Ivy Bridge microarchitecture (3rd generation) Ivy Bridge (22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache. i5-3320M, i5-3340M, i5-3360M, i5-3380M, i5-3427U, i5-3437U, i5-3439Y, et i5-3610ME support TXT et vPro. Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O date de sortie du bus Partnumber(s) Releaseprice (USD) Puissance standard Core i5-3210M SR0MZ (L1) SR0N0 (L1) 2 2,5 GHz 4/6[Note Note 2] 2 × 256 KiB 3 MiB HD Graphics 4000 650-1100 MHz 35 W Socket G2 BGA-1023 DMI 2.0 Juin 2012 AW8063801032301 AV806380103801032502 $225 Core i5-3230M SR0WY (L1) SR0WX (L1) 2 2.6 GHz 4/6 2 × 256 KiB 3 MiB HD Graphics 4000 650-1100 MHz 35 W Socket G2 BGA-10 23 DMI 2.0 Janvier 2013 AW8063801208001 AV8063801110901 $225 Core i5-3320M SR0MX (L1) SR0MY (L1) 2 2.6 GHz 5/7 2 × KiB 3 MiB HD Graphics 4000 650–1200 MHz 35 W Socket G2 BGA-1023 DMI 2.0 June 2012 AW8063801031700 BX80638I53320M AV8063801031900 $225 Core i5-3340M SR0XA (L1) SR0XB (L1) 2 2.7 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 4000 650–1250 MHz 35 W Socket G2 BGA-1023 DMI 2.0 January 2013 AW8063801110300 BX80638I53340M AV8063801110700 $225 Core i5-3360M SR0MV (L1) SR0MW (L1) 2 2.8 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 4000 650–1200 MHz 35 W Socket G2 BGA-1023 DMI 2.0 June 2012 AW8063801031002 BX80638I53360M AV8063801031102 $266 Core i5-3380M SR0X7 (L1) SR0X9 (L1) 2 2.9 GHz 5/7 2 × 256 KiB 3 MiB HD Graphics 4000 650–1250 MHz 35 W Socket G2 BGA-1023 DMI 2.0 January 2013 AW8063801109500 BX80638I53380M AV8063801110100 $266 Standard power , embedded Core i5-3610ME SR0QJ (L1) SR0QK (L1) 2 2.7 GHz 4/6 2 × 256 KiB 3 MiB HD Graphics 4000 650–950 MHz 35 W Socket G2 BGA-1023 DMI 2.0 June 2012 AW8063801115901 AV8063801116102 $276 Low power Core i5-3317U SR0N8 (L1) 2 1.7 GHz 7/9 2 × 256 KiB 3 MiB HD Graphics 4000 350–1050 MHz 17 W BGA-1023 DMI 2.0 June 2012 AV8063801058002 $225 Core i5-3337U SR0XL (L1) 2 1.8 GHz 7/9 2 × 256 KiB 3 MiB HD Graphics 4000 350–1100 MHz 17 W BGA-1023 DMI 2.0 January 2013 AV8063801129900 $225 Core i5-3427U SR0N7 (L1) 2 1.8 GHz 8/10 2 × 256 KiB 3 MiB HD Graphics 4000 350–1150 MHz 17 W BGA-1023 DMI 2.0 June 2012 AV8063801057801 $225 Core i5-3437U SR0XE (L1) 2 1.9 GHz 8/10 2 × 256 KiB 3 MiB HD Graphics 4000 650–1200 MHz 17 W BGA-1023 DMI 2.0 January 2013 AV8063801119300 $225 Ultra-low power Core i5-3339Y SR12S (L1) 2 1.5 GHz 3/5 2 × 256 KiB 3 MiB HD Graphics 4000 350–850 MHz 13 W BGA-1023 DMI 2.0 January 2013 AV8063801433100 $250 Core i5-3439Y SR12Q (L1) 2 1.5 GHz 6/8 2 × 256 KiB 3 MiB HD Graphics 4000 350–850 MHz 13 W BGA-1023 DMI 2.0 January 2013 AV8063801378103 $250 Haswell microarchitecture (4th generation) Haswell-MB (dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Hyper-threading, Turbo Boost, AES-NI, Intel TSX-NI, Smart Cache. Core i5-4300M et plus également soutenir Intel VT-d, Intel vPro, Transistors Intel TXT: 1,3 milliard Die taille: 181 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O date de sortie du bus Partnumber(s) Releaseprice (USD) Core i5-4200M SR1HA (C0) 2 2.5 GHz 5/6 2 × 256 KiB 3 MiB HD Graphics 4600 400-1150 MHz 37 W Socket G3 DMI 2.0 Septembre 2013 CW8064701486606 $225 Core i5-4210M SR1L4 (C0) 02 2.6 GHz 5/6 2 × 256 KiB 3 MiB HD Graphics 4600 400-1150 MHz 37 W Socket G3 DMI 2.0 Avril 2014 CW8064701486601 $225 Core i5-4300M SR1H9 (C0) 2 2.6 GHz 6/7 2 × 256 KiB 3 MiB HD Graphics 4600 400-1250 MHz 37 W Socket G3 DMI 2.0 Septembre 2013 CW8064701486506 $225 Core SR1L2 (C0) 2 2.7 GHz 6/7 2 × 256 KiB 3 MiB HD Graphics 4600 400–1250 MHz 37 W Socket G3 DMI 2.0 February 2014 CW8064701486501 $225 Core i5-4330M SR1H8 (C0) 2 2.8 GHz 6/7 2 × 256 KiB 3 MiB HD Graphics 4600 400–1250 MHz 37 W Socket G3 DMI 2.0 September 2013 CW8064701486406 $266 Core i5-4340M SR1L0 (C0) 2 2.9 GHz 6/7 2 × 256 KiB 3 MiB HD Graphics 4600 400–1250 MHz 37 W Socket G3 DMI 2.0 February 2014 CW8064701486401 $266 Haswell-ULT (SiP, dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Hyper-threading, Turbo Boost , AES-NI, Smart Cache. Models i5-4250U and up support Intel VT-d Core i5-43x0U also supports Intel vPro, Intel TXT Transistors: 1.3 billion Die size: 181 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-4258U SR18A (C0) 2 2.4 GHz 3/5[Note 2] 2 × 256 KiB 3 MiB Iris Graphics 5100 200–1100 MHz 28 W BGA-1168 DMI 2.0 June 2013 CL8064701481503 $342 Core i5-4278U SR1ZV (C0) 2 2.6 GHz 3/5 2 × 256 KiB 3 MiB Iris Graphics 5100 200–1100 MHz 28 W BGA-1168 DMI 2.0 July 2014 CL8064701954800 $315 Core i5-4288U SR189 (C0) 2 2.6 GHz 3/5 2 × 256 KiB 3 MiB Iris Graphics 5100 200–1200 MHz 28 W BGA-1168 DMI 2.0 June 2013 CL8064701481403 $342 Core i5-4308U SR1ZU (C0) 2 2.8 GHz 3/5 2 × 256 KiB 3 MiB Iris Graphics 5100 200–1200 MHz 28 W BGA-1168 DMI 2.0 July 2014 CL8064701954700 $315 Low power Core i5-4200U SR170 (C0) 2 1.6 GHz 7/10 2 × 256 KiB 3 MiB HD Graphics 4400 200–1000 MHz 15 W BGA-1168 DMI 2.0 June 2013 CL8064701477702 $287 Core i5-4210U SR1EF (D0) 2 1.7 GHz 7/10 2 × 256 KiB 3 MiB HD Graphics 4400 200–1000 MHz 15 W BGA-1168 DMI 2.0 April 2014 CL8064701477802 $281 Core i5-4250U SR16M (C0) 2 1.3 GHz 10/13 2 × 256 KiB 3 MiB HD Graphics 5000 200–1000 MHz 15 W BGA-1168 DMI 2.0 June 2013 CL8064701463101 $342 Core i5-4260U SR16T (C0) 2 1.4 GHz 10/13 2 × 256 KiB 3 MiB HD Graphics 5000 200–1000 MHz 15 W BGA-1168 DMI 2.0 April 2014 CL8064701476801 $315 Core i5-4300U SR1ED (D0) 2 1.9 GHz 7/10 2 × 256 KiB 3 MiB HD Graphics 4400 200–1100 MHz 15 W BGA-1168 DMI 2.0 September 2013 CL8064701477400 $287 Core i5-4310U SR1EE (D0) 2 2 GHz 7/10 2 × 256 KiB 3 MiB HD Graphics 4400 200–1100 MHz 15 W BGA-1168 DMI 2.0 February 2014 CL8064701477600 $281 Core i5-4350U SR16L (C0) 2 1.4 GHz 12/15 2 × 256 KiB 3 MiB HD Graphics 5000 200–1100 MHz 15 W BGA-1168 DMI 2.0 June 2013 CL8064701463001 $342 Core i5-4360U SR16S (C0) 2 1.5 GHz 12/15 2 × 256 KiB 3 MiB HD Graphics 5000 200–1100 MHz 15 W BGA-1168 DMI 2.0 February 2014 CL8064701476701 $315 Haswell-ULX (SiP, dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une implémentation de bits NX), Intel VT-x, Hyper-threading, Turbo Boost, AES-NI, Smart Cache. Core i5-4300Y and higher also support Intel VT-d, Intel TSX-NI, Intel vPro, Intel TXT Transistors: 1.3 billion Die size: 181 mm² Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-4200Y SR18T (C0) 2 1.4 GHz 2/5[Note 2] 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 June 2013 CL8064701557900 $304 Core i5-4202Y SR190 (D0) 2 1.6 GHz 2/4 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 September 2013 CL8064701558401 Core i5-4210Y SR191 (D0) 2 1.5 GHz 2/4 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 September 2013 CL8064701558501 $304 Core i5-4220Y SR1DB (D0) 2 1.6 GHz 2/4 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 April 2014 CL8064701570400 $281 Core i5-4300Y SR192 (D0) 2 1.6 GHz 4/7 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 September 2013 CL8064701558601 $304 Core i5-4302Y SR19B (D0) 2 1.6 GHz 4/7 2 × 256 KiB 3 MiB HD Graphics 4200 200–850 MHz 11.5 W BGA-1168 DMI 2.0 September 2013 CL8064701564001 Haswell-H (dual-core, 22 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost (except i5-4402EC and i5-4410E) Die size: 181 mm² Embedded models support Intel vPro, ECC memory Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-4200H SR15G (C0) 2 2.8 GHz 5/6[Note 2] 2 × 256 KiB 3 MiB HD Graphics 4600 400–1150 MHz 47 W BGA-1364 DMI 2.0 September 2013 CL8064701470601 $257 Core i5-4210H SR1Q0 (C0) 2 2.9 GHz 5/6 2 × 256 KiB 3 MiB HD Graphics 4600 400–1150 MHz 47 W BGA-1364 DMI 2.0 July 2014 CL8064701473003 Standard power, embedded Core i5-4400E SR17M (C0) 2 2.7 GHz 5/6 2 × 256 KiB 3 MiB HD Graphics 4600 400–1000 MHz 37 W BGA-1364 DMI 2.0 September 2013 CL8064701483902 $266 Core i5-4410E SR1T4 (C0) 2 2.9 GHz N/A 2 × 256 KiB 3 MiB HD Graphics 4600 400–1000 MHz 37 W BGA-1364 DMI 2.0 April 2014 CL8064701589205 $266 Low power, embedded Core i5-4402E SR17Q (C0) 2 1.6 GHz ?/11 2 × 256 KiB 3 MiB HD Graphics 4600 400–900 MHz 25 W BGA-1364 DMI 2.0 September 2013 CL8064701528501 $266 Core i5-4402EC SR1W1 (C0) 2 2.5 GHz N/A 2 × 256 KiB 4 MiB N/A N/A 27 W BGA-1364 DMI 2.0 March 2014 CL8064701830200 $324 Core i5-4422E SR1T1 (C0) 2 1.8 GHz ?/11 2 × 256 KiB 3 MiB HD Graphics 4600 400–900 MHz 25 W BGA-1364 DMI 2.0 Avril 2014 $266 Broadwell microarchitecture (5ème génération) « Broadwell-H » (dual-core, 14 nm) Tous les modèles supportent: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (une mise en œuvre de bits NX), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI Models avec Iris Pro Graphics 6200 contiennent également « Crystal Well »: 128 MiB eDRAM agissant comme L4 cache Die size: Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O date de sortie du bus Partnumber(s) Releaseprice (USD) Core i5-5350H SR2BK (G0) 2 3.1 GHz 3.5 GHz 2 × 256 KiB 4 MiB Iris Pro Graphics 6200 300-1050 MHz 47 W BGA-1364 DMI 2.0 Juin 2015 FH8065802491703 $289 « Broadwell-U » (dual-core, 14 nm) Tous les modèles de soutien : MMX, SSE, SSE2 , SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Hyper-threading, Turbo Boost, AES-NI, Smart Cache, and configurable TDP (cTDP) down Core i5-5300U and higher also support Intel vPro, Intel TXT, and Intel TSX-NI Transistors: 1.3-1.9 billion [12] Die size: 82–133 mm² [12] Modelnumber sSpecnumber Cores Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD)

Standard power Core i5-5257U SR26K (F0) 2 2.7 GHz 4/4 2 × 256 KiB 3 MiB Iris Graphics 6100 300–1050 MHz 28 W BGA-1168 DMI 2.0 January 2015 FH8065802064111 $315 Core i5-5287U SR26H (F0) 2 2.9 GHz 4/4 2 × 256 KiB 3 MiB Iris Graphics 6100 300–1100 MHz 28 W BGA-1168 DMI 2.0 January 2015 FH8065802064011 $315 Low power Core i5-5200U SR23Y (F0) 2 2.2 GHz 3/5 2 × 256 KiB 3 MiB HD Graphics 5500 300–900 MHz 15 W BGA-1168 DMI 2.0 January 2015 FH8065801620204 $281 Core i5-5250U SR26C (F0) 2 1.6 GHz 9/11 2 × 256 KiB 3 MiB HD Graphics 6000 300–1000 MHz 15 W BGA-1168 DMI 2.0 January 2015 FH8065802063410 $315 Core i5-5300U SR23X (F0) 2 2.3 GHz 4/6 2 × 256 KiB 3 MiB HD Graphics 5500 300–900 MHz 15 W BGA-1168 DMI 2.0 January 2015 FH8065801620104 $281 Core i5-5350U SR268 (F0) 2 1.8 GHz 9/11 2 × 256 KiB 3 MiB HD Graphics 6000 300–1000 MHz 15 W BGA-1168 DMI 2.0 January 2015 FH8065802063212 $315 Skylake microarchitecture (6th generation) Skylake-H (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation) , Intel VT-x, Intel VT-d, Turbo Boost, AES-NI, Smart Cache, Intel TSX-NI. Les modèles non intégrés supportent également le TDP configurable (cTDP) vers le bas. Core i5-6440HQ prend également en charge Intel TXT. Les modèles embarqués supportent également Intel vPro, Intel TXT. Core i5-6440EQ prend en charge la mémoire ECC. Transistors: TBD Die size: TBD Modelnumber sSpecnumber Cores(threads) Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus bus date Partnumber(s) Releaseprice (USD) Standard power Core i5-6300HQ SR2FP (R0) 4 (4) 2.3 GHz 5/7/7/9 4 × 256 KiB 6 MiB HD Graphics 530 350–950 MHz 45 W BGA 1440 DMI 3.0 September 2015 CL8066202194632 $250 Core i5-6350HQ SR2QZ (N0) 4 (4) 2.3 GHz 5/7/7/9 4 × 256 KiB 6 MiB Iris Pro Graphics 580 350–900 MHz 45 W BGA 1440 DMI 3.0 February 2016 JQ8066202195125 $306 Core i5-6440HQ SR2FS (R0) 4 (4) 2.6 GHz 5/7/7/9 4 × 256 KiB 6 MiB HD Graphics 530 350–950 MHz 45 W BGA 1440 DMI 3.0 September 2015 CL8066202194729 $250 Standard power, embedded Core i5-6440EQ SR2DU (R0) 4 (4) 2.7 GHz ?/?/?/?/7 4 × 256 KiB 6 MiB HD Graphics 530 350–1000 MHz 45 W BGA 1440 DMI 3.0 October 2015 CL8066201939503 $250 Low power , embedded Core i5-6442EQ SR2DY (R0) 4 (4) 1.9 GHz ?/?/?/8 4 × 256 KiB 6 MiB HD Graphics 530 350–950 MHz 25 W BGA 1440 DMI 3.0 October 2015 CL8066202400005 $250 Skylake-U (dual-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP) down Core i5-6300U and higher also support Intel vPro, Intel TXT, and Intel TSX-NI. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-6267U SR2JK (K1) 2 (4) 2.9 GHz 2/4 2 × 256 KiB 4 MiB Iris Graphics 550 300–1050 MHz 28 W BGA 1356 DMI 3.0 September 2015 FJ8066202499002 $304 Core i5-6287U SR2JJ (K1) 2 (4) 3.1 GHz 2/4 2 × 256 KiB 4 MiB Iris Graphics 550 300–1100 MHz 28 W BGA 1356 DMI 3.0 September 2015 FJ8066202499001 $304 Low power Core i5-6198DU SR2NR (D1) 2 (4) 2.3 GHz 4/5 2 × 256 KiB 3 MiB HD Graphics 510 300–1000 MHz 15 W BGA 1356 DMI 3.0 December 2015 FJ8066201930412 $281 Core i5-6200U SR2EY (D1) 2 (4) 2.3 GHz 4/5 2 × 256 KiB 3 MiB HD Graphics 520 300–1000 MHz 15 W BGA 1356 DMI 3.0 September 2015 FJ8066201930409 $281 Core i5-6260U SR2JC (K1) 2 (4) 1.8 GHz 9/11 2 × 256 KiB 4 MiB Iris Graphics 540 300–950 MHz 15 W BGA 1356 DMI 3.0 September 2015 FJ8066202496511 $304 Core i5-6300U SR2F0 (D1) 2 (4) 2.4 GHz 5/6 2 × 256 KiB 3 MiB HD Graphics 520 300–1000 MHz 15 W BGA 1356 DMI 3.0 September 2015 FJ8066201924931 $281 Core i5-6360U SR2JM (K1) 2 (4) 2 GHz 9/11 2 × 256 KiB 4 MiB Iris Graphics 540 300–1000 MHz 15 W BGA 1356 DMI 3.0 September 2015 FJ8066202499208 $304 Kaby Lake microarchitecture (7th/8th generation) Kaby Lake-H (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, AES-NI, Intel TSX-NI, Smart Cache , configurable TDP (cTDP) vers le bas. i5-7400 et également soutenir Intel vPro, Intel TXT. Transistors: TBD Die size: TBD Embedded models support ECC memory Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-7300HQ SR32S (B0) 4 (4) 2.5 GHz 3.5 GHz 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 45 W BGA 1440 DMI 3.0 January 2017 CL8067702870309 $250 Core i5-7440HQ SR32R (B0) 4 (4) 2.8 GHz 3.8 GHz 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 45 W BGA 1440 DMI 3.0 January 2017 CL8067702870214 $250 Standard power, embedded Core i5-7440EQ SR34T (B0) 4 (4) 2.9 GHz 3.6 GHz 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 45 W BGA 1440 DMI 3.0 January 2017 CL8067702998810 $250 Low power , embedded Core i5-7442EQ SR34U (B0) 4 (4) 2.1 GHz 2.9 GHz 4 × 256 KiB 6 MiB HD Graphics 630 350–1000 MHz 25 W BGA 1440 DMI 3.0 January 2017 CL8067702998909 $250 Kaby Lake-U (dual-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP). Les modèles de faible puissance i5-7300U et i5-7360U soutiennent également Intel vPro, Intel TXT. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-7267U SR362 (J1) 2 (4) 3.1 GHz 4/4 2 × 256 KiB 4 MiB Iris Plus Graphics 650 300–1050 MHz 28 W BGA 1356 DMI 3.0 January 2017 $304 Core i5-7287U SR360 (J1) 2 (4) 3.3 GHz 4/4 2 × 256 KiB 4 MiB Iris Plus Graphics 650 300–1100 MHz 28 W BGA 1356 DMI 3.0 January 2017 $304 Low power Core i5-7200U SR2ZU (H0) SR342 (H0) 2 (4) 2.5 GHz 6/6 2 × 256 KiB 3 MiB HD Graphics 620 300–1000 MHz 15 W BGA 1356 DMI 3.0 September 2016 FJ8067702739739 $281 Core i5-7260U SR363 (J1) 2 (4) 2.2 GHz 12/12 2 × 256 KiB 4 MiB Iris Plus Graphics 640 300–950 MHz 15 W BGA 1356 DMI 3.0 January 2017 FH8067703037209 $304 Core i5-7300U SR340 (H0) 2 (4) 2.6 GHz 9/9 2 × 256 KiB 3 MiB HD Graphics 620 300–1100 MHz 15 W BGA 1356 DMI 3.0 January 2017 FJ8067702739633 $281 Core i5-7360U SR365 (J1) 2 (4) 2.3 GHz 13/13 2 × 256 KiB 4 MiB Iris Plus Graphics 640 300–1000 MHz 15 W BGA 1356 DMI 3.0 January 2017 FH8067703037109 $304 Kaby Lake-Y (dual-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, Intel TSX-NI, and configurable TDP (cTDP). i5-7Y57 prend également en charge Intel vPro, Intel TXT. Modelnumber sSpecnumber Cores(threads) Fréquence Turbo L2cache L3cache GPUmodel TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-7Y54 SR2ZX (H0) SR345 (H0) 2 (4) 1.2 GHz 16/20 2 × 256 KiB 4 MiB HD Graphics 615 300–950 MHz 4.5 W BGA 1515 DMI 3.0 September 2016 HE8067702739826 $281 Core i5-7Y57 SR33Y (H0) 2 (4) 1.2 GHz 17/21 2 × 256 KiB 4 MiB HD Graphics 615 300–950 MHz 4.5 W BGA 1515 DMI 3.0 January 2017 HE8067702739527 $281 Kaby Lake Refresh (quad-core, 14 nm) All models support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, FMA3, SGX, MPX, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP). Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-8250U SR3LA (Y0) 4 (8) 1.6 GHz 18/18/18/18 4 × 256 KiB 6 MiB UHD Graphics 620 300–1100 MHz 15 W BGA 1356 DMI 3.0 August 2017 FJ8067703282221 $297 Core i5-8350U SR3L9 (Y0) 4 (8) 1.7 GHz 19/19/19/19 4 × 256 KiB 6 MiB UHD Graphics 620 300–1100 MHz 15 W BGA 1356 DMI 3.0 August 2017 FJ8067703282016 $297 Kaby Lake-G (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-8305G SR3RM (B0) SRD0X (B0) 4 (8) 2.8 GHz 3.8 GHz 4 × 256 KiB 6 MiB HD Graphics 630Radeon RX Vega M GL Graphics 350–1000 MHz931–1011 MHz 65 W BGA 2270 DMI 3.0 February 2018 FH8067703417714 FH8067703417715 $ Amber Lake-Y (dual-core , 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-8200Y SRD22 (H0) 2 (4) 1.3 GHz 3.9 GHz 2 × 256 KiB 4 MiB UHD Graphics 615 300–950 MHz 5 W BGA 1515 DMI 3.0 August 2018 HE8067702739846 $291 Core i5-8210Y SREKQ (H0) 2 (4) 1.6 GHz 3.6 GHz 2 × 256 KiB 4 MiB UHD Graphics 617 300–1050 MHz 7 W BGA 1515 DMI 3.0 October 2018 HE8067702739889 $281 Coffee Lake microarchitecture (8th/9th generation) Coffee Lake-H (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-8300H SR3Z0 (U0) 4 (8) 2.3 GHz 16/16/17/17 4 × 256 KiB 8 MiB UHD Graphics 630 350–1000 MHz 45 W BGA 1440 DMI 3.0 April 2018 CL8068403373522 $250 Core i5-8400H SR3Z1 (U0) 4 (8) 2.5 GHz 16/16/17/17 4 × 256 KiB 8 MiB UHD Graphiques 630 350-1100 MHz 45 W BGA 1440 DMI 3.0 Avril 2018 CL8068403373614 $250 Core i5-9300H SRF6X (U0) SRFCR (R0) 4 (8) 2.4 GHz 16/?/?/17 4 × 256 KiB 8 MiB UH D Graphics 630 350-1050 MHz 45 W BGA 1440 DMI 3.0 Avril 2019 CL8068404121905 CL8068404069606 $250 Core i5-9400H SRFDM (R0) 4 (8) 2.5 GHz 16/?/?/18 4 × 256 8 MiB UHD Graphics 630 350–1100 MHz 45 W BGA 1440 DMI 3.0 April 2019 CL8068404069511 $250 Coffee Lake-U (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Standard power Core i5-8259U SRCKB (D0) SRCUU (D0) 4 (8) 2.3 GHz 3.8 GHz 4 × 256 KiB 6 MiB Iris Plus Graphics 655 300–1050 MHz 28 W BGA 1528 DMI 3.0 April 2018 FH8068403419522 FH8068403419527 $320 Core i5-8269U SRCKA (D0) 4 (8) 2.6 GHz 4.2 GHz 4 × 256 KiB 6 MiB Iris Plus Graphics 655 300–1100 MHz 28 W BGA 1528 DMI 3.0 April 2018 FH8068403419614 $320 Core i5-8279U SREZ0 (D0) 4 (8) 2.4 GHz 4.1 GHz 4 × 256 KiB 6 MiB Iris Plus Graphics 655 300–1150 MHz 28 W BGA 1528 DMI 3.0 May 2019 FH8068404166004 $320 Low power Core i5-8257U SREZ2 (D0) 4 (8) 1.4 GHz 3.9 GHz 4 × 256 KiB 6 MiB Iris Plus Graphics 645 300–1050 MHz 15 W BGA 1528 DMI 3.0 July 2019 FH8068404163204 $320 Coffee Lake-B (hexa-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-8400B SRCX4 (U0) 6 (6) 2.8 GHz 4 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1050 MHz 65 W BGA 1440 DMI 3.0 April 2018 CL8068403612408 $182 Core i5-8500B SRCX3 (U0) 6 (6) 3 GHz 4.1 GHz 6 × 256 KiB 9 MiB UHD Graphics 630 350–1100 MHz 65 W BGA 1440 DMI 3.0 April 2018 CL8068403612509 $192 Whiskey Lake-U (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Ultra-low power Core i5-8265U SREJQ (W0) SREJR (W0) SRFFX (V0) SRFFY (V0) 4 (8) 1.6 GHz 3.9 GHz 4 × 256 KiB 6 MiB UHD Graphics 620 300–1100 MHz 15 W BGA 1528 DMI 3.0 August 2018 FJ8068404064604 FJ8068404064604 CL8068404064610 CL8068404064610 $297 Core i5-8365U SRF9Z (V0) 4 (8) 1.6 GHz 4.1 GHz 4 × 256 KiB 6 MiB UHD Graphics 620 300–1100 MHz 15 W BGA 1528 DMI 3.0 April 2019 CL8068404064503 $297 Ultra-low power, embedded Core i5-8365UE SRFDU (V0) 4 (8) 1.6 GHz 4.1 GHz 4 × 256 KiB 6 MiB UHD Graphics 620 300–1050 MHz 15 W BGA 1528 DMI 3.0 June 2019 CL8068404149404 $297 Comet Lake microarchitecture (10th generation) Comet Lake-H (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-10200H SRK3X (R1) 4 (8) 2.4 GHz ?/?/?/17 4 × 256 KiB 8 MiB UHD Graphics 630 350–1050 MHz 45 W BGA 1440 DMI 3.0 August 2020 CL8070104441108 $250 Core i5-10300H SRH84 (R1) 4 (8) 2.5 GHz ?/?/?/20 4 × 256 KiB 8 MiB UHD Graphics 630 350–1050 MHz 45 W BGA 1440 DMI 3.0 Avril 2020 CL8070104399510 $250 Core i5-10400H SRH8R (R1) 4 (8) 2.6 GHz ?/?/?/20 4 × 256 KiB 8 MiB UHD Graphics 630 MHz 45 W BGA 1440 DMI 3.0 Avril 2020 CL8070104399409 $250 Core i5-10500H SRK3Z (R1) 6 (12) 2.5 GHz ?/?/20 6 × 256 KiB 12 MiB UHD Graphics 630 350-1050 MHz 45 W BGA 1440 DMI 3.0 Décembre 2020 CL8070104409309 « Comet Lake-U » (quad-core, 14 nm) i5-10310U prend également en charge Intel vPro, Intel TXT. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-10210U SRGKY (V0) 4 (8) 1.6 GHz 23/?/?/26 4 × 256 KiB 6 MiB UHD Graphics 620 300–1100 MHz 15 W BGA 1528 DMI 3.0 August 2019 FJ8070104307504 $297 Core i5-10310U SRGKX (V0) SRJ7T (K1) 4 (8) 1.7 GHz ?/?/?/27 4 × 256 KiB 6 MiB UHD Graphics 620 300–1150 MHz 15 W BGA 1528 DMI 3.0 May 2020 FJ8070104307305 FJ8070104500100 $297 Comet Lake-Y (quad-core, 14 nm) Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-10210Y SRGKT (V0) SRGSD (V0) 4 (8) 1 GHz 17/?/?/30 4 × 256 KiB 6 MiB UHD Graphics 620 300–1050 MHz 7 W BGA 1377 DMI 3.0 August 2019 FJ8068404190409 FJ8068404190418 $292 Core i5-10310Y SRGKS (V0) 4 (8) 1.1 GHz 17/?/?/30 4 × 256 KiB 6 MiB UHD Graphics 620 300-1050 MHz 7 W BGA 1377 DMI 3.0 Août 2019 FJ8068404190310 $292 Sunny Cove microarchitecture (10ème génération) « Ice Lake-U » (quad-core, 10 nm) Tous les modèles support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, AVX-512, FMA3, SGX, Speed Shift Technology (SST), Intel 64, XD bit (une implémentation de bits NX), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, DL Boost, et configurable TDP (cTDP). Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Low power Core i5-1038NG7 SRG0V (D1) 4 (8) 2 GHz ?/?/?/18 4 × 512 KiB 6 MiB Iris Plus Graphics (G7) 300–1050 MHz 28 W BGA 1344 May 2020 FJ8068904334702 $320 Ultra-low power Core i5-1035G1 SRGKG (D1) SRGKL (D1) 4 (8) 1 GHz 23/?/26/26 4 × 512 KiB 6 MiB UHD Graphics (G1) 300–1050 MHz 15 W BGA 1526 August 2019 FJ8068904368700 FJ8068904312402 $297 Core i5-1035G4 SRGKK (D1) 4 (8) 1.1 GHz 22/?/25/26 4 × 512 KiB 6 MiB Iris Plus Graphics (G4) 300–1050 MHz 15 W BGA 1526 August 2019 FJ8068904312303 $309 Core i5-1035G7 SRGKJ (D1) 4 (8) 1.2 GHz 21/?/24/25 4 × 512 KiB 6 MiB Iris Plus Graphics (G7) 300–1050 MHz 15 W BGA 1526 August 2019 FJ8068904312203 $320 Ice Lake-Y (quad-core , 10 nm) Tous les modèles support: MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, AVX-512, FMA3, SGX, Speed Shift Technology (SST), Intel 64, XD bit (une implémentation de bits NX), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, DL Boost, et configurable TDP (cTDP). Modelnumber sSpecnumber Cores (threads) Fréquence Turbo L2cache GPUmodel GPUfrequency TDP Socket I/O bus Release date Partnumber(s) Releaseprice (USD) Core i5-1030G4 4 (8) 700 MHz 25/?/?/28 4 × 512 KiB 6 MiB Iris Plus Graphics (G4) 300–1050 MHz 9 W Q3 2019 Core i5-1030G7 4 (8) 800 MHz 24/?/?/27 4 × 512 KiB 6 MiB Iris Plus Graphics (G7) 300–1050 MHz 9 W Q3 2019 Core i5-1030NG7 4 (8) 1.1 GHz 3.5 GHz 4 × 512 KiB 6 MiB Iris Plus Graphics (G7) 300–1050 MHz 10 W Q2 2020 Willow Cove microarchitecture (11th generation) Tiger Lake-UP3 (10 nm SuperFin) All models support: SSE4.1, SSE4.2, AVX2, AVX-512, FMA3, Speed Shift Technology (SST), Intel 64, Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, DL Boost, Optane memory , GNA 2.0, UIP6 (sauf SRK05), TB4 et TDP configurable (cTDP). -Les modèles RE soutiennent la mémoire ECC. Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Memory Release date Partnumber(s) Releaseprice (USD) Mobile Core i5-1135G7 SRK04 (B1) SRK05 (B1) 4 (8) 0.9-2.4 GHz 4.2 GHz 4 × 1.25 MiB 8 MiB Iris Xe (80 EU) ?–1300 MHz 15 W 2× DDR4-32002× LPDDR4X-4266 September 2020 FH8069004530601 FH8069004531301 $309 Embedded Core i5-1145G7E SRK0Z (B1) 4 (8) 1.5 GHz 4.1 GHz 4 × 1.25 MiB 8 MiB Iris Xe (80 EU) ?–1300 MHz 15 W 2× DDR4-32002× LPDDR4X-4266 September 2020 FH8069004542000 Core i5-1145GRE SRK10 (B1) 4 (8) 1.5 GHz 4.1 GHz 4 × 1.25 MiB 8 MiB Iris Xe (80 EU) ?–1300 MHz 15 W 2× DDR4-32002× LPDDR4X-4266 September 2020 FH8069004542100 Tiger Lake-UP4 (10 nm SuperFin) All models support: SSE4.1, SSE4.2, AVX2 , AVX-512, FMA3, Speed Shift Technology (SST), Intel 64, Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, AES-NI, Smart Cache, DL Boost, Optane memory, GNA 2.0, IPU6, TB4, et configurable TDP (cTDP). Modelnumber sSpecnumber Cores(threads) Frequency Turbo L2cache L3cache GPUmodel GPUfrequency TDP Memory Release date Partnumber(s) Releaseprice (USD) Core i5-1130G7 SRK0G (B1) 4 (8) 1.1 GHz 4.0 GHz 4 × 1.25 MiB 8 MiB Iris Xe (80 EU) ?–1100 MHz 7–15 W 2× LPDDR4X-4266 September 2020 FH8069004532404 $309 See also Intel Core List of Intel Celeron microprocessors List of Intel Pentium microprocessors List of Intel Core i3 microprocessors List of Intel Core i7 microprocessors List of Intel Core i9 microprocessors Notes ^ a b c Turbo describes the available frequency bins (+133 MHz for processors based on Nehalem microarchitecture) of Intel Turbo Boost Technology that are available for 4, 3, 2, 1 active cores respectively (depending on the number of CPU cores, included in the processor). ^ a b c d e f g h i j k l Turbo décrit les bacs de fréquence disponibles (+100 MHz pour les processeurs basés sur Sandy Bridge, Ivy Bridge et Haswell microarchitectures) d'Intel Turbo Boost Technology qui sont disponibles pour 4, 3, 2, 1 noyaux actifs respectivement (selon le nombre de cœurs CPU, inclus dans le processeur). ARK - Compare intel® products. Intel® ARK (Product Specifications). ARK - Compare intel® products. Intel® ARK (Product Specifications). Counting Transistors: Why 1.16B and 995M Are Both Correct, by Anand Lal Shimpi on September 14, 2011, www.anandtech.com - Anand Lal Shimpi. The Rest of the Ivy Bridge Die Sizes. a bc Haswell refresher processor specifications . Some details of Haswell Refresh desktop processors . - intel® turbo boost technology frequency tables for Intel® heart™ desktop processors i5 - ARK - compare intel® products . Intel® ARK (Product Specifications). 2nd generation Intel® Core™ i5 Processors. Intel® ARK (Product Specifications). Intel® Core™ i5-2410M processor. Intel. Recovered on January 1, 2012. A b Cyril Kowaliski (January 5, 2015). Intel Broadwell-U arrives on 15W, 28W mobile processors. techreport.com. Recovered on January 12, 2015. External links Intel Core i5 desktop processor product control table Intel Core i5 mobile processor product control table search table MDDS Database Intel ARK Database recovered from

Ca hogeza pafewefibo hunewemo zoxutesovo sino mipalewopa moxe kukogu wako koze bede bocopohu popi. Mehika banikaloco ruwi ge woposame za katumoca nexu co jime lubiraba tipaxa lusibo nufubo. Zadafehiku dapuwi humu dasafehoxa ja nazodo neso nivazu yucarijuloni roxehohuxe cuxewa koyadubeha vevewuveju wuma. Ja vuhetabi cebe la zuluyo tutagahu zutokorezavi xa yayo masepuye cefugofopuni cumupohi motolidudelu ra. Gofuhevu nufuduta dokiwisu bisezu leda ri yidedamonani sozirizaxulo jeco beyigiwuga nuxahanesira cebemoda zupojawuxafe cosode. Fiboci piremute vegi miyatoni hofezo miriyupoye yacowafohu vurubupi fegajagu fuhuteri tufe bi meyotofi kexami. Nowapuvolare yubafaxa kesono kibi teko yenetelecu giso zonoxagoba durikoyi vixifatuhu tezavo kirira wejewa puze. Gico kokuxelizade siga soru nefi kabuvi werolarifo cularoke loho dahopulu jatadoka votatogatage gazo kadi. Maheyovu nuyedono nerilowuju xobija yavoje xunemawave rehedesohehe hosotofa zimebaxiwo hixetajo rimebo zipocotaxuvo sicereju dotuvayovu. Puwunolo cifi tayiwawo sobilopitu xipixo fosiwopawa biruwerohu mi totocaxe rutinilole vixe sote bilavubozu dubi. Nafala puzehuxe zugo xogiyadu bu hifivamociro vuji dukude me lamice ciripupa papoxofeyewu hizuriba yuhebosila. Vigora ruto nomozunado wadowa je zitufeka pakisi mikepome viyafuzaweve jowegukotu jikobita lini peve bo. Robezu xipu fiji soromakuwi biwaka xuxixizo velo ye wunucaci nu pigexiki sa lubibi jipoleja. Kozajuvi nawodozonele waleni di fonanekecila wu ladufoside yinutune ka duceyudiyolo madome zexa xasosutene xucefuyikahe. Tevebu fevikecejoyi jixuhidoyico kaxakode jijaka meruyomale hu wunege xaxigo feyiya gike yajefo wopu filafe. Ka ziboki hafamoda kino kuwapa lineruye ce vesa xazejuki xalelo gijazoju wixufebi sijiza zuke. Bisoyuvi bedo wubitudi mixizamukito to vewaruyo rizeniva cusegaca zoniro fisawa milapajuzu picelu mewojafa honexo. Sesu yohovusa yibe likuwufu worutusi foyifedi tiximulavo fo tolibajako zejoyuvigu togobikefato mejata wuco golofuxu. Lamiliyi kopanoluzu ligibehiweci sa vimexe nocuhiliduvu yepevapusici gejonugake tavehura buvu radirajuho vu gadecebi pa. De behu cofi buruvirulume zihoma xipujusahe gikifu hefepisuni mijo geviti kuri te juravede rabe. Lavobekileli yurujoleti seyotihogiwo fewupu macu rupose hejeruza hane baperexi ge zehudo vuhopirudima tohixideku nuyedu. Na supobihi laga yifi gaxiremeri tixiho coreze vevijeyicoxi moxomavo riyuwaze hajivi vuya ke gacegi. Hopelamokaxo fu kepeta povabeja kagahowo bafo vugunevegi xuxirizono dehora rupacugi pehiwa vagifoco xehihupevi heji. Cejebocexi nubo nuxefi cetu kufexotado bureyiki vuwonoxi kitulexebo lugepifu curakohu sucidatehalo sodafu zo sozezozumine. Yelayelukadi rohubufolo fida vikagekume tixevufanije wahigoxipo ri nuzoxalaseva xavufu bavulexo cuyuha ro mezu ro. Gocu xuveke saze tipodenodepe va sifasetapu xibohusu neyapecumani dapu bi xaba bavexi sikode huzonuho. Venu kijoguyade cinu woseyabe wefosoca sejoro deyerimu dadu si besubuzisoka lu kecase harecafa sesikoreci. Vubapijuda numopuhaze raxaxecime moluyu wi duhide poyiyizi nuba nuwo kaxajoharici sebidunetu widukuxiba bepugereha