

List of Intel Core I3 Microprocessors

Subjects: Others

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The following is a list of Intel Core i3 brand microprocessors. These processors are designed with cheap price points, while still retaining the power of the Intel Core line. As such they (along with Intel's i5 series) are often found in laptops and low-end desktop computers.

Keywords: microprocessors ; intel ; i3

1. Desktop Processors

1.1. Westmere Microarchitecture (1st Generation)

"Clarkdale" (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, Hyper-Threading, Smart Cache.*
- FSB has been replaced with DMI.
- Contains a GPU on a secondary die manufactured in 45 nm codenamed "Ironlake".
 - Graphics and Integrated Memory Controller transistors: 177 million
 - Graphics and Integrated Memory Controller die size: 114 mm²
- Transistors: 382 million
- Die size: 81 mm²
- Stepping: C2, K0

| Core i3-530 | | 2.93 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 733 MHz | 2 | 2 × 256 KiB | 4 MiB | DMI | 22× | 2 × DDR3-1333 | 0.65–1.4 V | 73 W | LGA 1156 | style="text-align:right;" | January 2010 | | \$113 |-

| Core i3-540 | | 3.07 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 733 MHz | 2 | 2 × 256 KiB | 4 MiB | DMI | 23× | 2 × DDR3-1333 | 0.65–1.4 V | 73 W | LGA 1156 | style="text-align:right;" | January 2010 | | \$133 |-

| Core i3-550 | | 3.2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 733 MHz | 2 | 2 × 256 KiB | 4 MiB | DMI | 24× | 2 × DDR3-1333 | 0.65–1.4 V | 73 W | LGA 1156 | style="text-align:right;" | May 2010 | | \$138 |-

| Core i3-560 | | 3.33 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 733 MHz | 2 | 2 × 256 KiB | 4 MiB | DMI | 25× | 2 × DDR3-1333 | 0.65–1.4 V | 73 W | LGA 1156 | style="text-align:right;" | August 2010 | | \$138 |-

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1.2. 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, Smart Cache, Intel Insider.*
- Stepping: Q0, J1
- Transistors: 624 million (J1), 504 million (Q0)
- Die size: 149 mm² (J1), 131 mm² (Q0)

| Core i3-2100 | | 2 | 3.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | February 2011 | | \$117 |-

| Core i3-2102[N_1] | | 2 | 3.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | Q2, 2011 | | \$127 |-

| Core i3-2105 | | 2 | 3.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | May 2011 | | \$134 |-

| Core i3-2125 | | 2 | 3.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2011 | | \$134 |-

| Core i3-2130 | | 2 | 3.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2011 | | \$138 |-

| Core i3-2120 | | 2 | 3.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 850–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | February 2011 | | \$138 |-

| Core i3-2100T | | 2 | 2.5 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 650–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | February 2011 | | \$127 |-

| Core i3-2120T | | 2 | 2.6 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2000 | 650–1100 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2011 | | \$127 |-

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1. ↑ Once upgraded via Intel Upgrade Service, it operates at 3.6 GHz, has 3 MB L3 cache and it is recognized as Core i3-2153.

1.3. 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, Hyper-threading, Smart Cache, Intel Insider.*

| Core i3-3210 | | 2 | 3.2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | January 2013 | | \$117 |-

| Core i3-3225 | | 2 | 3.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2012 | | \$134 |-

| Core i3-3240 | | 2 | 3.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2012 | | \$138 |-

| Core i3-3245 | | 2 | 3.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$134 |-

| Core i3-3250 | | 2 | 3.5 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$138 |-

| Core i3-3220 | | 2 | 3.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2012 | | \$117 |-

| Core i3-3220T | | 2 | 2.8 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2012 | | \$117 |-

| Core i3-3240T | | 2 | 2.9 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | September 2012 | | \$138 |-

| Core i3-3250T | | 2 | 3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 2500 | 650–1050 MHz | | LGA 1155 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$138 |-

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1.4. Haswell Microarchitecture (4th Generation)

"Haswell-DT" (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, AES-NI, ECC memory, Smart Cache.
- Transistors: 1.4 billion
- Die size: 177mm²

| Core i3-4130 | | 2 | 3.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$122 |-

| Core i3-4150 | | 2 | 3.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$117 |-

| Core i3-4160 | | 2 | 3.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | July 2014 | | \$117 |-

| Core i3-4170 | | 2 | 3.7 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | March 2015 | | \$117 |-

| Core i3-4340 | | 2 | 3.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$149 |-

| Core i3-4350 | | 2 | 3.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$138 |-

| Core i3-4370 | | 2 | 3.8 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | July 2014 | | \$149 |-

| Core i3-4330 | | 2 | 3.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$138 |-

| Core i3-4360 | | 2 | 3.7 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$149 |-

| Core i3-4130T | | 2 | 2.9 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$122 |-

| Core i3-4150T | | 2 | 3 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$117 |-

| Core i3-4160T | | 2 | 3.1 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | July 2014 | | \$117 |-

| Core i3-4170T | | 2 | 3.2 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | March 2015 | | \$117 |-

| Core i3-4330T | | 2 | 3 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$138 |-

| Core i3-4360T | | 2 | 3.2 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | July 2014 | | \$138 |-

| Core i3-4370T | | 2 | 3.3 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | March 2015 | | \$138 |-

| Core i3-4350T | | 2 | 3.1 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 200–1150 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$138 |-

| Core i3-4330TE | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1000 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$122 |-

| Core i3-4340TE | | 2 | 2.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 4600 | 350–1000 MHz | | LGA 1150 | DMI 2.0 | style="text-align:right;" | May 2014 | | \$138 |-

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1.5. Skylake Microarchitecture (6th Generation)

"Skylake-S" (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, Hyper-threading, AES-NI, ECC memory, Smart Cache.*

| Core i3-6098P | | 2 (4) | 3.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 510 | 350–1050 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | December 2015 | | \$117 |-

| Core i3-6100 || 2 (4) | 3.7 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 530 | 350–1050 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$117 |-

| Core i3-6300 || 2 (4) | 3.8 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 530 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$139 |-

| Core i3-6320 || 2 (4) | 3.9 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 530 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$148 |-

| Core i3-6100T || 2 (4) | 3.2 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 530 | 350–950 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$117 |-

| Core i3-6300T || 2 (4) | 3.3 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 530 | 350–950 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$138 |-

| Core i3-6100TE || 2 (4) | 2.7 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 530 | 350–1000 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | Q4 2015 | | \$117 |-

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1.6. 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, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Intel SGX, Intel MPX, Hyper-threading, AES-NI, Intel TSX-NI, Smart Cache.*
- Low power models also support configurable TDP (cTDP) down.
- Embedded models also support ECC memory, but do not support *Intel TSX-NI*.
- Overclocking: Unlocked multiplier on K models.

| Core i3-7100 || 2 (4) | 3.9 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$117 |-

| Core i3-7300 || 2 (4) | 4 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 630 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$147 |-

| Core i3-7320 || 2 (4) | 4.1 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 630 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$157 |-

| Core i3-7350K | | 2 (4) | 4.2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 630 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$168 |-

| Core i3-7100T | | 2 (4) | 3.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$117 |-

| Core i3-7300T | | 2 (4) | 3.5 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | HD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$147 |-

| Core i3-7101E | | 2 (4) | 3.9 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 610 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$117 |-

| Core i3-7101TE | | 2 (4) | 3.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 610 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$117 |-

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1.7. 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, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Intel SGX, Intel MPX, AES-NI, Smart Cache.
- Embedded models also support ECC memory.
- Overclocking: Unlocked multiplier on K and KF models.
- 9th generation models also support Turbo Boost.

| Core i3-8100 | | 4 (4) | 3.6 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 6 MiB | UHD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | October 2017 | | \$117 |-

| Core i3-8100F | | 4 (4) | 3.6 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 6 MiB | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | | LGA 1151 | DMI 3.0 | style="text-align:right;" | January 2019 | | \$117 |-

| Core i3-8300 | | 4 (4) | 3.7 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 8 MiB | UHD Graphics 630 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | April 2018 | | \$138 |-

| Core i3-8350K | | 4 (4) | 4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 8 MiB | UHD Graphics 630 | 350–1150 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | October 2017 | | \$168 |-

| Core i3-8100T | | 4 (4) | 3.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 6 MiB | UHD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | April 2018 | | \$117 |-

| Core i3-8300T | | 4 (4) | 3.2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 8 MiB | UHD Graphics 630 | 350–1100 MHz | | LGA 1151 | DMI 3.0 | style="text-align:right;" | April 2018 | | \$138 |-

}

"Coffee Lake-H" (14 nm)

}

1.8. 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, Enhanced Intel SpeedStep Technology (EIST), Intel 64, XD bit (an NX bit implementation), Intel VT-x, Intel VT-d, Turbo Boost, Hyper-threading, Intel SGX, AES-NI, Smart Cache.*
- All models support up to DDR4-2666 memory.
- Low power models also support configurable TDP (cTDP) down.
- Embedded models also support ECC memory.

}

2. Mobile Processors

2.1. 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, Hyper-Threading, Smart Cache.*
- Core i3-330E has support for ECC memory and PCI express port bifurcation.
- FSB has been replaced with DMI.
- Contains 45 nm "Ironlake" GPU.
- Transistors: 382 million
- Die size: 81 mm²
- Integrated Intel HD Graphics (Ironlake)
- Graphics and Integrated Memory Controller transistors: 177 million
- Graphics and Integrated Memory Controller die size: 114 mm²
- Stepping: C2, K0

| Core i3-330M | | 2.13 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 16× | 2 × DDR3-1066 | 0.775–1.4 V | 35 W | | style="text-align:right;" | January 2010 | | OEM |-

| Core i3-350M | | 2.27 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 17× | 2 × DDR3-1066 | 0.725–1.4 V | 35 W | | style="text-align:right;" | January 2010 | | OEM |-

| Core i3-370M | | 2.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 18× | 2 × DDR3-1066 | 0.775–1.4 V | 35 W | | style="text-align:right;" | June 2010 | | OEM |-

| Core i3-380M | | 2.53 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 19× | 2 × DDR3-1066 | 0.775–1.4 V | 35 W | | style="text-align:right;" | September 2010 | | OEM |-

| Core i3-390M | | 2.67 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 20× | 2 × DDR3-1066 | 0.775–1.4 V | 35 W | | style="text-align:right;" | January 2011 | | OEM |-

| Core i3-330E | | 2.13 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 500–667 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 16× | 2 × DDR3-1066 | 0.775–1.4 V | 35 W | BGA-1288 | style="text-align:right;" | January 2010 | | \$177 |-

| Core i3-330UM | | 1.2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 166–500 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 9× | 2 × DDR3-800 | 0.725–1.4 V | | BGA-1288 | style="text-align:right;" | May 2010 | | OEM |-

| Core i3-380UM | | 1.33 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 166–500 MHz | 2 | 2 × 256 KiB | 3 MiB | DMI | 10× | 2 × DDR3-800 | 0.725–1.4 V | | BGA-1288 | style="text-align:right;" | October 2010 | | OEM |-

}

2.2. 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, Smart Cache, Intel Insider.*
- Core i3-2310E, Core i3-2340UE have support for ECC memory.
- Core i3-2310E, Core i3-2330E and Core i3-2340UE do not have support for *Intel Insider*
- Transistors: 624 million
- Die size: 149 mm²

| Core i3-2308M | | 2 | 2.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | Q3 2012 | | |-

| Core i3-2310M | | 2 | 2.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | February 2011 | | \$225 |-

| Core i3-2312M^[N 1] | | 2 | 2.1 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | Q2 2011 | | OEM |-

| Core i3-2328M | | 2 | 2.2 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | September 2012 | | \$225 |-

| Core i3-2330M | | 2 | 2.2 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | June 2011 | | \$225 |-

| Core i3-2332M^[1] | | 2 | 2.2 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | September 2011 | | OEM |-

| Core i3-2348M | | 2 | 2.3 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1150 MHz | | | DMI 2.0 | style="text-align:right;" | January 2013 | | |-

| Core i3-2350M | | 2 | 2.3 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1150 MHz | | | DMI 2.0 | style="text-align:right;" | October 2011 | | \$225 |-

| Core i3-2370M | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1150 MHz | | | DMI 2.0 | style="text-align:right;" | January 2012 | | \$225 |-

| Core i3-2310E | | 2 | 2.1 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1050 MHz | | | DMI 2.0 | style="text-align:right;" | February 2011 | | \$225 |-

| Core i3-2330E | | 2 | 2.2 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 650–1050 MHz | | | DMI 2.0 | style="text-align:right;" | June 2011 | | \$225 |-

| Core i3-2357M | | 2 | 1.3 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–950 MHz | | | DMI 2.0 | style="text-align:right;" | June 2011 | | \$250 |-

| Core i3-2365M | | 2 | 1.4 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–1000 MHz | | | DMI 2.0 | style="text-align:right;" | September 2012 | | \$225 |-

| Core i3-2367M | | 2 | 1.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–1000 MHz | | | DMI 2.0 | style="text-align:right;" | October 2011 | | \$250 |-

| Core i3-2375M | | 2 | 1.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–1000 MHz | | | DMI 2.0 | style="text-align:right;" | Q1 2013 | | \$225 |-

| Core i3-2377M | | 2 | 1.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–1000 MHz | | | DMI 2.0 | style="text-align:right;" | September 2012 | | \$250 |-

| Core i3-2340UE | | 2 | 1.3 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 3000 | 350–800 MHz | | | DMI 2.0 | style="text-align:right;" | June 2011 | | \$250 |-

}

1. ↑ Once upgraded via Intel Upgrade Service, it operates at 2.5 GHz, has 4 MB L3 cache and it is recognized as Core i3-2393M.
2. ↑ Once upgraded via Intel Upgrade Service, it operates at 2.6 GHz, has 4 MB L3 cache and it is recognized as Core i3-2394M.

2.3. 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, Hyper-threading, Smart Cache, Intel Insider.*
- Core i3-3120ME, i3-3217UE have support for ECC memory.
- Core i3-3120ME, i3-3217UE do not have support for *Intel Insider.*
- Core i3-3229Y supports *AES-NI.*
- Die size: 94 mm²

| Core i3-3110M | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–1000 MHz | | | DMI 2.0 | style="text-align:right;" | June 2012 | | \$225 |-

| Core i3-3120M | | 2 | 2.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | September 2012 | | \$225 |-

| Core i3-3130M | | 2 | 2.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–1100 MHz | | | DMI 2.0 | style="text-align:right;" | January 2013 | | \$225 |-

| Core i3-3120ME | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 650–900 MHz | | | DMI 2.0 | style="text-align:right;" | August 2012 | | \$225 |-

| Core i3-3217U | | 2 | 1.8 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 350–1050 MHz | | | DMI 2.0 | style="text-align:right;" | June 2012 | | \$225 |-

| Core i3-3227U | | 2 | 1.9 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 350–1100 MHz | | | DMI 2.0 | style="text-align:right;" | January 2013 | | \$225 |-

| Core i3-3217UE | | 2 | 1.6 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 350–900 MHz | | | DMI 2.0 | style="text-align:right;" | August 2012 | | \$261 |-

| Core i3-3229Y | | 2 | 1.4 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4000 | 350–850 MHz | | | DMI 2.0 | style="text-align:right;" | January 2013 | | \$250 |-

}}

2.4. Haswell Microarchitecture (4th Generation)

"Haswell-MB" (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, Smart Cache.*

| Core i3-4000M | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400–1100 MHz | | Socket G3 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$240 |-

| Core i3-4010M | | 2 | 2.5 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400–1100 MHz | | Socket G3 | DMI 2.0 | style="text-align:right;" | Q3 2014 | | |-

| Core i3-4100M | | 2 | 2.5 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400–1100 MHz | | Socket G3 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$240 |-

| Core i3-4110M | | 2 | 2.6 GHz | data-sort-value="" style="background: #ececcec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400–1100 MHz | | Socket G3 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$225 |-

}}

"Haswell-ULT" (SiP, 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, AES-NI, Smart Cache.*
- Core i3-4010U and higher also support *Intel VT-d*
- Transistors: 1.3 billion
- Die size: 181 mm²

| Core i3-4158U | | 2 | 2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | Iris Graphics 5100 | 200–1100 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$342 |-

| Core i3-4005U | | 2 | 1.7 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–950 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$281 |-

| Core i3-4010U | | 2 | 1.7 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1000 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$287 |-

| Core i3-4025U | | 2 | 1.9 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–950 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$275 |-

| Core i3-4030U | | 2 | 1.9 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1000 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$281 |-

| Core i3-4100U | | 2 | 1.8 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1000 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$287 |-

| Core i3-4120U | | 2 | 2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4400 | 200–1000 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$281 |-

}}

"Haswell-ULX" (SiP, 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, AES-NI, Smart Cache.*
- Transistors: 1.3 billion
- Die size: 181 mm²

| Core i3-4010Y | | 2 | 1.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4200 | 200–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | June 2013 | | \$304 |-

| Core i3-4012Y | | 2 | 1.5 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4200 | 200–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$304 |-

| Core i3-4020Y | | 2 | 1.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4200 | 200–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$304 |-

| Core i3-4030Y | | 2 | 1.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4200 | 200–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$281 |-

}}

"Haswell-H" (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, Smart Cache.*
- Transistors: 1.3 billion
- Die size: 181 mm²
- Embedded models support ECC memory

| Core i3-4100E | | 2 | 2.4 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400-900 MHz | | BGA-1364 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$225 |-

| Core i3-4110E | | 2 | 2.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400-900 MHz | | BGA-1364 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$225 |-

| Core i3-4102E | | 2 | 1.6 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400-900 MHz | | BGA-1364 | DMI 2.0 | style="text-align:right;" | September 2013 | | \$225 |-

| Core i3-4112E | | 2 | 1.8 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 4600 | 400-900 MHz | | BGA-1364 | DMI 2.0 | style="text-align:right;" | April 2014 | | \$225 |-

}}

2.5. Broadwell Microarchitecture (5th Generation)

"Broadwell-U" (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, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP) down*

| Core i3-5157U | | 2 | 2.5 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | Iris Graphics 6100 | 300–1000 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | January 2015 | | \$315 |-

| Core i3-5005U | | 2 | 2 GHz | data-sort-value="" style="background: #ececce; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 5500 | 300–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | January 2015 | | \$275 |-

| Core i3-5010U | | 2 | 2.1 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 5500 | 300–900 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | January 2015 | | \$281 |-

| Core i3-5015U | | 2 | 2.1 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 5500 | 300–850 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | March 2015 | | \$275 |-

| Core i3-5020U | | 2 | 2.2 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 5500 | 300–900 MHz | | BGA-1168 | DMI 2.0 | style="text-align:right;" | March 2015 | | \$281 |-

}}

2.6. Skylake Microarchitecture (6th Generation)

"Skylake-H" (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, Hyper-threading, AES-NI, Smart Cache.*
- Transistors: TBD
- Die size: TBD
- Embedded models support ECC memory

| Core i3-6100H | | 2 (4) | 2.7 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 530 | 350-900 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$225 |-

| Core i3-6100E | | 2 (4) | 2.7 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 530 | 350-950 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | October 2015 | | \$225 |-

| Core i3-6102E | | 2 (4) | 1.9 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 530 | 350-950 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | October 2015 | | \$225 |-

}}

"Skylake-U" (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, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP) down (except 6006U)*

| Core i3-6157U | | 2 (4) | 2.4 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | Iris Graphics 550 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | September 2016 | | \$304 |-

| Core i3-6167U | | 2 (4) | 2.7 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | Iris Graphics 550 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$304 |-

| Core i3-6006U | | 2 (4) | 2 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 520 | 300–900 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | November 2016 | | \$281 |-

| Core i3-6100U | | 2 (4) | 2.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 520 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | September 2015 | | \$281 |-

}

2.7. Kaby Lake Microarchitecture (7th/8th Generation)

"Kaby Lake-H" (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, Hyper-threading, AES-NI, Smart Cache.*
- Transistors: TBD
- Die size: TBD
- Embedded models support ECC memory

| Core i3-7100H | | 2 (4) | 3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 630 | 350–950 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$225 |-

| Core i3-7100E | | 2 (4) | 2.9 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 630 | 350–950 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$225 |-

| Core i3-7102E | | 2 (4) | 2.1 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 630 | 350–950 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$225 |-

}

"Kaby Lake-U" (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, Hyper-threading, AES-NI, Smart Cache, and configurable TDP (cTDP) down (except 7020U).*

| Core i3-7167U | | 2 (4) | 2.8 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | Iris Plus Graphics 650 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | January 2017 | | \$273 |-

| Core i3-7020U | | 2 (4) | 2.3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 620 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | Q2 2018 | | \$281 |-

| Core i3-7100U | | 2 (4) | 2.4 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 620 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | September 2016 | | \$281 |-

| Core i3-7130U | | 2 (4) | 2.7 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | HD Graphics 620 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | June 2017 | | \$281 |-

}

"Kaby Lake Refresh" (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) down.*

| Core i3-8130U | | 2 (4) | 2.2 GHz | 3.4 GHz | 2 × 256 KiB | 4 MiB | UHD Graphics 620 | 300–1000 MHz | | BGA 1356 | DMI 3.0 | style="text-align:right;" | February 2018 | | \$281 |-

}

2.8. Coffee Lake Microarchitecture (8th Generation)

"Coffee Lake-B" (quad-core, 14 nm)

| Core i3-8100B | | 4 (4) | 3.6 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 6 MiB | UHD Graphics 630 | 350–1050 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | Q3 2018 | | \$133 |-

}

"Coffee Lake-H" (quad-core, 14 nm)

| Core i3-8100H | | 4 (4) | 3 GHz | data-sort-value="" style="background: #ecec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 4 × 256 KiB | 6 MiB | UHD Graphics 630 | 350–1000 MHz | | BGA 1440 | DMI 3.0 | style="text-align:right;" | July 2018 | | \$225 |-

}

"Coffee Lake-U" (dual-core, 14 nm)

}

"Whiskey Lake-U" (dual-core, 14 nm)

| Core i3-8145U | | 2 (4) | 2.1 GHz | 3.9 GHz | 2 × 256 KiB | 4 MiB | UHD Graphics 620 | 300–1000 MHz | | BGA 1528 | DMI 3.0 | style="text-align:right;" | August 2018 | | \$281 |-

| align="left" colspan=17 style="background:#127cc1;color: white" | **Ultra-low power, embedded** |-

}

2.9. Cannon Lake Microarchitecture (8th Generation)

"Cannon Lake-U" (dual-core, 10 nm)

}

2.10. Comet Lake Microarchitecture (10th Generation)

"Comet Lake-U" (dual-core, 14 nm)

}

"Comet Lake-Y" (dual-core, 14 nm)

}}

2.11. Sunny Cove Microarchitecture (10th Generation)

"Ice Lake-U" (dual-core, 10 nm)

- All models support: *MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, AVX-512, FMA3, SGX, 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, DL Boost, and configurable TDP (cTDP).*

}}

"Ice Lake-Y" (dual-core, 10 nm)

- All models support: *MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, AVX, AVX2, AVX-512, FMA3, SGX, 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, DL Boost, and configurable TDP (cTDP) (except 1000NG4).*

}}

3. Embedded Processors

3.1. Sandy Bridge Microarchitecture (2nd Generation)

"Gladden" (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, EPT, Hyper-threading, Smart Cache, ECC memory.*
- Transistors:
- Die size:

| Core i3-2115C | | 2 | 2 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 3 MiB | | | DMI 2.0 | 2 × DDR3-1333 | style="text-align:right;" | Q2 2012 | | \$241 |-

}}

3.2. Ivy Bridge Microarchitecture (3rd Generation)

"Gladden" (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, EPT, Hyper-threading, Smart Cache, ECC memory.*
- Transistors:
- Die size:

| Core i3-3115C | | 2 | 2.5 GHz | data-sort-value="" style="background: #ececec; color: #2C2C2C; vertical-align: middle; font-size: smaller; text-align: center; " class="table-na" | N/A | 2 × 256 KiB | 4 MiB | | | DMI 2.0 | 2 × DDR3-1333 | style="text-align:right;" | Q3 2013 | | \$241 |-

}}

References

1. Once upgraded via Intel Upgrade Service, it operates at 2.6 GHz, has 4 MB L3 cache and it is recognized as Core i3-2394M.

