List of Intel microprocessors

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64 bit processors: Intel 64 – Skylake microarchitecture

Core i3 (6th Generation)

- **Skylake** (Core i3 6th Generation) – 14 nm process technology
  - 2 physical cores/4 threads
  - 3–4 MB L3 cache
  - Introduced Q3'15
  - Socket 1151 LGA
  - 2-channel DDR3L-1333/1600, DDR4-1866/2133
  - Integrated GPU Intel HD Graphics 530 (only i3-6098P have HD Graphics 510)
  - Variants
    - i3-6098P – 3.60 GHz
    - i3-6100T – 3.20 GHz
    - i3-6100 – 3.70 GHz
    - i3-6300T – 3.30 GHz
    - i3-6300 – 3.80 GHz
    - i3-6320 – 3.90 GHz

Core i5 (6th Generation)

- **Skylake** (Core i5 6th Generation) – 14nm process technology
  - 4 physical cores/4 threads
  - 6 MB L3 cache
  - Introduced Q3'15
  - Socket 1151 LGA
  - 2-channel DDR3L-1333/1600, DDR4-1866/2133
  - Integrated GPU Intel HD Graphics 530
  - Variants
    - i5-6400T – 2.20 GHz/2.80 GHz Turbo Boost
    - i5-6400 – 2.70 GHz/3.30 GHz Turbo Boost
    - i5-6500T – 2.50 GHz/3.10 GHz Turbo Boost
    - i5-6500 – 3.20 GHz/3.60 GHz Turbo Boost
    - i5-6600T – 2.70 GHz/3.50 GHz Turbo Boost
    - i5-6600 – 3.30 GHz/3.90 GHz Turbo Boost
    - i5-6600K – 3.50 GHz/3.90 GHz Turbo Boost

Core i7 (6th Generation)

- **Skylake** (Core i7 6th Generation) – 14nm process technology
  - 4 physical cores/8 threads
  - 8 MB L3 cache
  - Introduced Q3'15
  - Socket 1151 LGA
  - 2-channel DDR3L-1333/1600, DDR4-1866/2133
  - Integrated GPU Intel HD Graphics 530
  - Variants
    - i7-6700T – 2.80 GHz/3.60 GHz Turbo Boost
    - i7-6700 – 3.40 GHz/4.00 GHz Turbo Boost
    - i7-6700K – 4.00 GHz/4.20 GHz Turbo Boost

Latest desktop and mobile processors for consumers [edit]

9th generation Core/Coffee Lake [edit]

Model	Price (USD)	cores/Threads	Base frequency (GHz)	Max turbo frequency (GHl)	GPU	Maximum GPU clock rate (MHz.)	L3 cache (MB)	TDP (W)	socket	Release
i9-9900K	$529	8/16	3.6	5.0	UHD 630	1200	16	95	LGA 1151	04 2018
i7-9700K	$399	818	3.7	4.9	UHD 630	1200	12	95	LGA 1151	0 4 2018
i5-9600K	$229	616	3.7	4.6	UHD 630	1150	9	95	LGA 1151	04 2018

8th generation Core/Coffee Lake/Kaby Lake Refresh [edit]

Desktop [edit]

Model	Price (USC)	Cores/Threads	Base frequency (GHz)	Max turbo frequency (GHz)	GPU	Maximum GPU clock rate (MHz.)	L3 cache (MB)	TDP (W)	Socket	Release	
i7-8086K@	$425	6/12	4.0	5.0	UHD 630	1200	12	95	LGA 1151	02 2018	
i7-8700K@	$359	6/12	3.7	4.7	UHD 630	1200	12	95	LGA 1151	Q4 2017	
17-8700@	$3{}3	6/12	3.2	4.6	UHD 630	1200	12	65	LGA 1151	Q4 2017	
15-8600K@	$257	616	3.6	4.3	UHD 630	1150	9	95	LGA 1151	Q4 2017	
iS-8500@	$202	6/6	3.0	4.1	UHD 630	1100	9	65	LGA 1151	02 2018	
i5-8400	$182	6/6	2.8	4.0	UHD 630	105()	9	65	LGA 1151	0 4 2017	
i3-8350K@	$168	414	4.0	NIA	UHD 630	1150	8	91	LGA 1151	Q4 2017	
13-8100@	$117	414	3.6	NIA	UHD 630	1100	6	65	LGA 1151	Q4 2017	

Mobile [edit]

Model	Price (US□)	Cores/Threads	Base frequency (GHz)	Max turbo frequency (GHz)	GPU	Maximum GPU clock rate (MHz)	L3 cache (MB)	TDP (W)	Release
i7-8650U@	$409	418	19	42	UHD 620	115()	8	15	03 2017
i7-8550U	$409	418	18	40	UHD 620	115()	8	15	032017
i5-8350U	5297	418	ll	3.6	UHD 620	1100	6	15	0 3 2017
i5-8250U	$297	418	16	34	UHD 620	1100	6	15	0 3 2017

7th generation Core JKaby Lake aJSkylake (X-series Processors)/Apollo Lake (.edit)

Desktop- (edit)

Model	Prl1:=e-(USD)	Gores/Threads	8-asefre-quency(GHz.)	Max turbofre-quency (GHz.,)	GPU	lila.ximum GPU cloc:k rate (MIHz)	L3 cache(MB)	TDP (W)	Sooltet	Rele-ase,
B-7900:CE	S1933	1813/!	2.6	4.2	NIA	NIA	24.75	165	LGA 2000	00 201JC11
I9-1001)](.o.	:S163S	100 2	2.8	4.2	NIA	NIA	22.00	165	LGA :2000	00 20 11 11
B-J940XJ....	S1.393	14128	3.1	4.3	NIA	NIA	19.25	165	LGA	OOZ0 1Ji:1)
I9-7S20)(...	S1189	1 4	2.9	4.3	NIA	NIA	16.M	140	LGA 2000	Q3 2017
I9-7900X J....	$999	10/20	3.3	4.3	NIA	NIA	13.15	140	LGA :2000	Q2 2(11]
i7-7320X	$59,	1111 6	3.6	4.3	NIA	NIA	11.03	140	LGA 2,Cff.	Q2 2017
i7-7&00X	$389	"'1 2	3.5	4.0	NIA	NIA	8.25	140	LGA :2000	02 2017
i7-n40X	~~$3:-6~~	418	4.3	4.5	NIA	NIA	8	112	LGA	Q I 2017
i7-n COK		418	4.2	4.5	HDo:30	11!1.1	8	91	LGA 11-51	QI 2017
u-noJ.	$>12	418	3.6	4.2	HDo:30	ii .00	8	M	LGA H-51	Q i 2017
i7-ITOOT-:(	Sl 2	4/8	2.9	3.8	HDo:30	1 !'!1	8	35	LGA n.5	Oi 20 7
i5-7 G40KJ.	S242	414	4.0	4.2	NIA	NIA	6	112	LGA 2,Cbc,	QI 201
i5-7&00K	S24J.	414	3.8	4.2	HDo:30	11!1.1	●	91	LGA 11-51	Q I 2017
i5-J00D.1_:-	S224	414	3.5	4.1	HDo:30	11W	●	M	LGA 11-51	Q i 2017
i5-7600T J....	S224	414	2.8	3.1	HDo:30	1100	●	35	LGA 11-51	Q i 2017
i5-7500	~~S22~~	414	3.4	3.8	HDo:30	110J		M	LGA 11.51	QI 2017
i5-7500T J...		414	2.1	3.3	HDo:30	U OJ	6	35	LGA U.51	Q i 20 7
iS-7400	$1	414	3.0	3.5	HDo:30	1000	6	M	LGA 1151	QI 201
i5-7400T	:Sl:87	414	2.4	3.0	HD630	1000	6	35	LGA 11-51	Q I 2017
iI -7J. K	-SHD	214	4.2	NIA	HDo:30	ii .50	4	00	LGA H-51	Qi 2017
i3-7320:l.-	:Si-57	214	4. i	NIA	HDo:30	ii .10	4	51	LGA H-51	Q i 2017
iI -7300	S147	214	4.0	NIA	HDo:30	11!1.1	4	51	LGA 11-51	QI 2017
i.l-73.00T -r...	$147	214	3.5	NIA	HD630	iiOJ	4	35	LGA 11-51	Q i 2017
iI -7100	Sl 7	214	3.9	NIA	HDo:30	1 03	3	51	LGA H.5	QI 20 7
i3-7100T	$ i17	214	3.4	NIA	HDo:30	i10 J	3	35	LGA 11-51	Q i 2017
i3-71'1HE	$ 117	214	3.9	NIA	HDo:30	110J	3	54	LGA 11-51	0 1 2017
i3-7101TE	:Sil 1	214	3.4	NIA	HDo:30	110J	3	35	LGA 11-51	QI 2017
G.4&20	$3:1	214	3.7	NIA	HDo:30	1100	3	51	LGA 11.51	Q i 2017
G4600<	$!!2	214	3.6	NIA	HD630	lI OJ	3	51	LGA 11.51	QI 2017
G46:>DT	$75	214	3.0	NIA	HDo:30	050	3	35	LGA 5	Q 2(1]
G.4560	W4	214	3.5	NIA	HD 6 10	1050	3	54	LGA H-51	Q i 2017
G4E6DT	W4	214	2.9	NIA	HD 6 10	1050	3	35	LGA 11.51	Q I 2017
~~G39~~	$52	212	3.0	NIA	HD 610	10.'-0	2	51	LGA 11-51	0 1 2017
	542	212	2.9	NIA	HD 6 10	10!1.1	2	51	LGA H-51	Qi 2011
GJ9:IOT	$42	212	2.7	NIA	HD610	1000	2	35	LGA 11.51	QI 2011

Model	Price (USD)	Cores/Threads	CPU clock rate (GHz)	CPU Turbo clock rate (GHz)	GPU	Maximum GPU clock rate (MHz)	Cache (MB)	TDP (W)	Release
i7-7920HQ<-	S!&	418	3.1	4.1	HD830	1100	8	45	Q I 20\7
i7-7820HQ<-	S378	418	2.9	3.9	HD830	1100	8	45	Q I 20\7
i7-7820HK<-	S378	418	2.9	3.9	HD830	HOO	8	45	Q i 20i7
i7-7700HQ<-	S378	418	2.8	3.8	HD830	HOO	6	45	Q i 20i7
i7-7e60U<-	S4 I 5	2/4	2.5	2.5	Iris?hts640	HOO	4	15	Qi 20i7
i7-7600U<-	S393	2/4	2.8	2.8	H0620	tl!<O	4	15	032016
i7-7567U <-	N/A	2/4	3.5	3.5	Iris?lus6:<>	tl!<)	4	28	03 2016
i7-7560U<-	S415	2/4	2.4	2.4	I ris?lus640	10!<>	4	15	QI 20\7
i7-7500U<-	S393	2/4	2.7	3.5	HD820	\O!<)	4	15	Q i 20i7
i7-7Y75<-	S393	2/4	i.3	3.6	H0 6 i 5	\O!<)	4	4.5	Q i 20i7
i5-7440HQ<-	S2!<>	414	2.8	3.8	HD830	1 (XX)	6	45	Q i 20i7
i5-7300HQ<-	S2!<>	414	2.5	3.5	HD830	\(XX)	6	45	Q I 20\7
i5-7360U<-	S304	2/4	2.3	2.3	Iris?lus640	\(XX)	4	15	Q I 20\7
i5-7300U<-	S281	2/4	2.6	2.6	H0620	1100	3	15	Q I 20\7
i5-7287U<-	N/A	2/4	3.3	3.3	Iris?hts6:<)	HOO	4	28	Qi 20i7
i5-7267U<-	N/A	2/4	3.i	3.1	Iris?hts6:<)	\O!<)	4	28	Q i 20i7
i5-7260U<-	S304	2/4	2.2	2.2	Iris?hts640	St<>	4	15	Qi 20i7
i5-7200U<-	S281	2/4	2.5	2.5	H0620	\(XX)	3	15	03 2016
i5-7Y57<-	S28 1	2/4	1.2	3.3	H0615	St<>	4	4.5	QI 20\7
i5-7Y54<-	S28 1	2/4	1.2	3.2	H0615	St<>	4	4.5	QI 20\7
il-7100H.e..	S225	2/4	3.0	N/A	HD830	St<>	3	35	Qi 20i7
il-7167U<-	N/A	2/4	2.8	N/A	Iris?hts6:<)	\(XX)	3	28	Q i 20i7
il-7130U<-	N/A	2/4	2.7	N/A	HD820	\(XX)	3	15	Q2 20i7
il-7100U<-	S281	2/4	2.4	N/A	H0620	\(XX)	3	15	03 2016
ml-7Y32<-	S281	2/4	1.1	3.0	H0 615	900	4	4.5	Q2 20\7
ml-7Y30<-	S281	2/4	1.0	2.6	H0 615	900	4	4.5	03 2016
N4200<-	S16i	414	u	2.5	H0!<>5	700	2 (t2)	6	03 2016
4415U<-	S16i	2/4	2.3	N/A	H0 610	St<>	2	15	Qi 20i7
4415Y<-	S16i	2/4	i.6	N/A	H0 6 i 5	8!<)	2	6	Q2 20 i 7
4410Y <-	S16I	2/4	1.5	N/A	H0 615	8!<)	2	6	Q I 20\7
N3450<-	S107	414	1.1	2.2	H0 !.00	6.:<)	2 (t2)	6	03 2016
N3350•	S107	2/2	1.1	2.4	H0 !.00	6<:)	2 (t2)	6	03 2016
3965U•	S107	2/2	2.2	N/A	H0 610	900	2	15	Qi 20i7
W55U•	S107	2/2	i.8	N/A	H0 610	900	2	15	Qi 20i7