

Intel® CPU and Chipset Matrix Table

Microserver D1500 family CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset		
FCBGA1667	Xeon® E3	22nm Broadwell	16/32	D-1577	1.30 GHz	24 MB	45 W	None	None	DDR4-2133, DDR3L-1600	-		
			16/32	D-1571	1.30 GHz	24 MB	45 W						
			12/24	D-1567	2.10 GHz	18 MB	65 W						
			12/24	D-1559	1.50 GHz	18 MB	45 W						
			12/24	D-1557	1.50 GHz	18 MB	45 W						
			8/16	D-1548	2.00 GHz	12 MB	45 W						
			8/16	D-1541	2.10 GHz	12 MB	45 W						
			8/16	D-1540	2.00 GHz	12 MB	45 W						
			8/16	D-1539	1.60 GHz	12 MB	35 W						
			8/16	D-1537	1.70 GHz	12 MB	35 W						
			6/12	D-1531	2.20 GHz	9 MB	45 W						
			4/8	D-1529	1.30 GHz	6 MB	20 W						
			6/12	D-1528	1.90 GHz	9 MB	35 W						
			4/8	D-1527	2.20 GHz	6 MB	35 W						
	4/8	D-1521	2.40 GHz	6 MB	45 W								
	4/8	D-1520	2.20 GHz	6 MB	45 W								
	4/8	D-1518	2.20 GHz	6 MB	35 W								
	Pentium®	22nm Broadwell	4/8	D1519	1.50 GHz	6 MB	25 W			None		None	DDR4-2133, DDR3L-1600
			4/8	D1517	1.60 GHz	6 MB	25 W						
			2/2	D1509	1.50 GHz	3 MB	19 W						
2/4			D1508	2.20 GHz	3 MB	25 W							
2/2			D1507	1.20 GHz	3 MB	20 W							
4/8			D1519	1.50 GHz	6 MB	25 W							

Denverton Atom® C3000 Family CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCBGA1310	Atom®	14nm Denverton	16/16	C3958	2.0GHz	16MB	31W	None	None	DDR4 2400	None
			12/12	C3858	2.0GHz	12MB	25W	None	None		
			8/8	C3758	2.2GHz	16MB	25W	None	None		
			4/4	C3558	2.2GHz	8MB	16W	None	None	DDR4 2133	
			4/4	C3538	2.1GHz	8MB	15W	None	None		
			2/2	C3338	1.5GHz	4MB	8.5W	None	None	DDR4 1866	
			2/2	C3336	1.5GHz	4MB	11W	None	None		
			8/8	C3758R	2.4GHz	16MB	26W	None	None	DDR4 2400	
			4/4	C3558R	2.4GHz	8MB	17W	None	None		
			4/4	C3436L	1.3GHz	8MB	10.75W	None	None	DDR4 1866	
			2/2	C3338R	1.8GHz	4MB	10.5W	None	None		

Workstation Xeon® E3/E/W Series CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA2066	Xeon® W	14nm Cascade Lake	18/36	W-2295	3.00 GHz	24.75 MB	165 W	None	None	DDR4 2933	C422
			14/28	W-2275	3.30GHz	19.25 MB	165 W	None	None		
			12/24	W-2265	3.50 GHz	19.25 MB	165 W	None	None		
			10/20	W-2255	3.70 GHz	19.25 MB	165 W	None	None		
			8/16	W-2245	3.90 GHz	16.5 MB	155 W	None	None		
			6/12	W-2235	3.80 GHz	8.25 MB	130W	None	None		
			4/8	W-2225	4.10 GHz	8.25 MB	105W	None	None		
			4/8	W-2223	3.60 GHz	8.25 MB	120W	None	None	DDR4 2666	

Yellow means long-term support

Workstation Xeon® E3/E/W Series CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA3647	Xeon® W	14nm Cascade Lake	28/56	W-3275	2.50 GHz	38.5 MB	205W	None	None	DDR4 2933	C621
			24/48	W-3265M	2.70 GHz	33 MB	205W	None	None		
			24/48	W-3265	2.70GHz	33MB	205W	None	None		
			16/32	W-3245M	3.20 GHz	22MB	205W	None	None		
			16/32	W-3245	3.20 GHz	22 MB	205W	None	None	DDR4-2666	C621
			12/24	W-3235	3.30 GHz	19.25 MB	180W	None	None		
			8/16	W-3225	3.70 GHz	16.5 MB	160W	None	None		
			8/16	W-3223	3.50 GHz	16.5 MB	160W	None	None		
FCLGA1151	Xeon® E	14nm Coffee lake	6/12	E-2186G	3.80 GHz	12MB	95W	Intel® UHD Graphics P630	350 MHz	DDR4-2666	C246/ C242
			6/12	E-2176G	3.70 GHz	12MB	80W				
			4/8	E-2174G	3.80 GHz	8MB	71W				
			6/12	E-2146G	3.50 GHz	12MB	80W				
			4/8	E-2144G	3.60 GHz	8MB	71W	NA	NA		
			6/12	E-2136	3.30 GHz	12MB	80W				
			4/8	E-2134	3.50 GHz	8MB	71W				
			6/6	E-2126G	3.30 GHz	12MB	80W	Intel® UHD Graphics P630	350 MHz		
			4/4	E-2124	3.30 GHz	8MB	71W	NA	NA		
4/4	E-2124G	3.40 GHz	8MB	71W	Intel® UHD Graphics P630	350 MHz					
FCLGA1151	Xeon® E3	14nm Kaby Lake	4/8	E3-1285 V6	4.1GHz	8 MB	79W	Intel® HD Graphics P630	350 MHz	DDR4-2400, DDR3L-1866	C236
			4/8	E3-1280 V6	3.9GHz	8 MB	72W	None	None		
			4/8	E3-1275 V6	3.8GHz	8 MB	73W	Intel® HD Graphics P630	350 MHz		
			4/8	E3-1270 V6	3.8GHz	8 MB	72W	None	None		
			4/8	E3-1245 V6	3.7GHz	8 MB	73W	Intel® HD Graphics P630	350 MHz		
			4/8	E3-1240 V6	3.7GHz	8 MB	72W	None	None		
			4/8	E3-1230 V6	3.5GHz	8 MB	72W	None	None		
			4/4	E3-1225 V6	3.3GHz	8 MB	73W	Intel® HD Graphics P630	350 MHz		
			4/4	E3-1220 V6	3.0GHz	8 MB	72W	None	None		
FCLGA2066	Xeon® W	14nm Skylake	4/4	W-2123	3.60 GHz	8.25MB	120W	None	None	DDR4-2666 ECC R-DIMM / LR-DIMM	C422
			4/4	W-2125	4.00 GHz	8.25MB	120W	None	None		
			6/12	W-2133	3.60 GHz	8.25MB	140W	None	None		
			6/12	W-2135	3.70 GHz	8.25MB	140W	None	None		
			8/16	W-2145	3.70 GHz	11MB	140W	None	None		
			10/20	W-2155	3.30 GHz	13.75MB	140W	None	None		
			14/28	W-2175	2.50 GHz	19MB	140W	None	None		
			18/36	W-2195	2.30 GHz	24.75MB	140W	None	None		
FCLGA1151	Xeon® E3	14nm Skylake	4/8	E3-1515MV5	2.80 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics P580	350 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	C236
			4/8	E3-1505MV5	2.80 GHz	8 MB	45 W	Intel® HD Graphics P530			
			4/8	E3-1578LV5	2.00 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics P580	700 MHz	DDR3L, DDR4 2133MHz at 1.2V	
			4/8	E3-1558LV5	1.90 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics P555	650 MHz		
			4/8	E3-1505LV5	2.00 GHz	8 MB	25 W	Intel® HD Graphics P530	350 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	
			4/8	E3-1268LV5	2.40 GHz	8 MB	35 W				
			4/8	E3-1585V5	3.50 GHz	8 MB	65 W	Intel® Iris™ Pro Graphics P580	350 MHz	DDR4-1866/2133, DDR3L-1333/1600@1.35V	
			4/8	E3-1585LV5	3.00 GHz	8 MB	45 W				
			4/8	E3-1565LV5	2.50 GHz	8 MB	35 W				

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Workstation Xeon® E3/E/W Series CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA1151	Xeon® E3	14nm Skylake	4/8	E3-1280V5	3.70 GHz	8 MB	80 W	None	None	DDR4-1866/2133, DDR3L-1333/1600@1.35V	C236
			4/8	E3-1275V5	3.60 GHz	8 MB	80 W	Intel® HD Graphics P530	400 MHz		
			4/8	E3-1270V5	3.60 GHz	8 MB	80 W	None	None		
			4/8	E3-1260LV5	2.90 GHz	8 MB	45 W				
			4/8	E3-1245V5	3.50 GHz	8 MB	80 W	Intel® HD Graphics P530	400 MHz		
			4/8	E3-1240LV5	2.10 GHz	8 MB	25 W	None	None		
			4/8	E3-1240V5	3.50 GHz	8 MB	80 W				
			4/4	E3-1235LV5	2.00 GHz	8 MB	25 W	Intel® HD Graphics P530	400 MHz		
			4/8	E3-1230V5	3.40 GHz	8 MB	80 W	None	None		
			4/4	E3-1225V5	3.30 GHz	8 MB	80 W	Intel® HD Graphics P530	400 MHz		
			4/4	E3-1220V5	3.00 GHz	8 MB	80 W	None	None		
FCLGA1150	Xeon® E3	22nm Haswell	4/4	E3-1220 v3	3.1 GHz	8 MB	80 W	None	-	DDR3 and DDR3L 1333/1600 at 1.5V	C226
			2/4	E3-1220LV3	1.1 GHz	4 MB	13 W		-	DDR3 1333/1600	
			4/4	E3-1225V3	3.2 GHz	8 MB	84 W	Intel® HD Graphics P4600	350 MHz	DDR3 and DDR3L 1333/1600 at 1.5V	
			4/4	E3-1226V3	3.3 GHz	8 MB	84 W				
			4/8	E3-1230 v3	3.3 GHz	8 MB	80 W	None	-		
			4/8	E3-1230LV3	1.8 GHz	8 MB	25 W		-		
			4/8	E3-1231V3	3.4 GHz	8 MB	80 W		-		
			4/8	E3-1240 v3	3.4 GHz	8 MB	80 W		-		
			4/8	E3-1240LV3	2 GHz	8 MB	25 W		-		
			4/8	E3-1241V3	3.5 GHz	8 MB	80 W		-		
			4/8	E3-1245 v3	3.4 GHz	8 MB	84 W	Intel® HD Graphics P4600	350 MHz		
			4/8	E3-1246V3	3.5 GHz	8 MB	84 W				
			4/8	E3-1265LV3	2.5 GHz	8 MB	45 W	Intel® HD Graphics	DDR3 and DDR3L 1333/1600 at 1.5V		
			4/8	E3-1268LV3	2.3 GHz	8 MB	45 W	Intel® HD Graphics 4600			
			4/8	E3-1270 v3	3.5 GHz	8 MB	80 W	None		-	
			4/8	E3-1271V3	3.6 GHz	8 MB	80 W			-	
			4/8	E3-1275 v3	3.5 GHz	8 MB	84 W	Intel® HD Graphics P4600		350 MHz	
			4/8	E3-1275LV3	2.7 GHz	8 MB	45 W	Intel® HD Graphics			
			4/8	E3-1276V3	3.6 GHz	8 MB	84 W	Intel® HD Graphics P4600			
			4/8	E3-1280 v3	3.6 GHz	8 MB	82 W	None			
			4/8	E3-1281V3	3.7 GHz	8 MB	82 W	None		-	
			4/8	E3-1285 v3	3.6 GHz	8 MB	84 W	Intel® HD Graphics P4700		350 MHz	
			4/8	E3-1285LV3	3.1 GHz	8 MB	65 W				
			4/8	E3-1286V3	3.7 GHz	8 MB	84 W				
4/8	E3-1286LV3	3.2 GHz	8 MB	65 W							
LGA1155	Xeon® E3	22nm Ivy Bridge	4/8	E3-1290V2	3.7 GHz	8 MB	87 W	-	-	DDR3-1333/1600	C206/ C21
			4/8	E3-1280V2	3.6 GHz	8 MB	69 W	-	-		
			4/8	E3-1275V2	3.5 GHz	8 MB	77 W	-	1.25 GHz		
			4/8	E3-1270V2	3.5 GHz	8 MB	69 W	-	-		
			4/8	E3-1265LV2	2.5 GHz	8 MB	45 W	-	1.15 GHz		
			4/8	E3-1245V2	3.4 GHz	8 MB	77 W	-	1.25 GHz		
			4/8	E3-1240V2	3.4 GHz	8 MB	69 W	-	-		
			4/8	E3-1230V2	3.3 GHz	8 MB	69 W	-	-		
			4/4	E3-1225V2	3.2 GHz	8 MB	77 W	-	1.25 GHz		
			4/4	E3-1220V2	3.1 GHz	8 MB	69 W	-	-		
			4/2	E3-1220LV2	2.3 GHz	3 MB	17 W	-	-		

Workstation Xeon® E3/E/W Series CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
LGA1155	Xeon® E3	32nm Sandy Bridge	4/8	E3-1290	3.6 GHz	8 MB	95 W	-	-	DDR3-1066/1333	C206/C216
			4/8	E3-1280	3.5 GHz	8 MB	95 W	-	-		
			4/8	E3-1275	3.4 GHz	8 MB	95 W	-	1.35 GHz		
			4/8	E3-1270	3.4 GHz	8 MB	80 W	-	-		
			4/8	E3-1260L	2.4 GHz	8 MB	45 W	-	1.25 GHz		
			4/8	E3-1245	3.3 GHz	8 MB	95 W	-	1.35 GHz		
			4/8	E3-1240	3.3 GHz	8 MB	80 W	-	-		
			4/8	E3-1235	3.2 GHz	8 MB	95 W	-	1.35 GHz		
			4/8	E3-1230	3.2 GHz	8 MB	80 W	-	-		
			4/4	E3-1225	3.1 GHz	6 MB	95 W	-	1.35 GHz		
			4/2	E3-1220L	2.2 GHz	3 MB	20 W	-	-		
			4/4	E3-1220	3.1 GHz	8 MB	80 W	-	-		

Desktop Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU List

Supported Sockets	Brand	process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA1200	Core™ i9	14nm Comet Lake-S	10/20	i9-10900E	2.8 GHz	20MB	65W	Intel® UHD Graphics 630	350 MHz	DDR4-2933	W480E/ W480/ Q470E/ Q470/ H420E/ H410
				i9-10900TE	1.8 GHz	20MB	35W				
	Core™ i7		8/16	i7-10700E	2.9 GHz	16MB	65W	Intel® UHD Graphics 630		DDR4-2933	
				i7-10700TE	2.0 GHz	16MB	35W				
	Core™ i5		6/12	i5-10500E	3.1 GHz	8MB	65W	Intel® UHD Graphics 630		DDR4-2666	
				i5-10500TE	2.3 GHz	8MB	35W				
	Core™ i3		4/8	i3-10100E	3.2 GHz	9MB	65W	Intel® UHD Graphics 630		DDR4-2666	
				i3-10100TE	2.3 GHz	9MB	35W				
	Pentium®		2/4	G6400E	3.8 GHz	4MB	58W	Intel® UHD Graphics 630		DDR4-2400	
				G6400TE	3.2 GHz	4MB	35W				
	Celeron®		2/2	G5900E	3.2 GHz	2MB	58W	Intel® UHD Graphics 630		DDR4-2400	
				G5900TE	3.0 GHz	2MB	35W				
FCLGA1151	Core™ i9	14nm Coffee Lake refresh	8/16	i9-9900KF	3.60 GHz	16MB	95W	N/A	N/A	DDR4-2666	H310/Q370/C246
			8/16	i9-9900T	2.10 GHz	16MB	35W	Intel® UHD Graphics 630			
			8/16	i9-9900	3.10 GHz	16MB	65W				
	Core™ i7	14nm Coffee Lake refresh	8/8	i7-9700E	2.60 GHz	12MB	65W	Intel® UHD Graphics 630			
			8/8	9700TE	1.80 GHz	12MB	35W				
			8/8	i7-9700K	3.60 GHz	12MB	95W				
			8/8	i7-9700	3.00 GHz	12MB	65W				
			8/8	i7-9700T	2.00 GHz	12MB	35W				
			8/8	i7-9700T	2.00 GHz	12MB	35W				
	Core™ i5	14nm Coffee Lake refresh	6/6	i5-9500E	3.00 GHz	9MB	65W	Intel® UHD Graphics 630	350 MHz	DDR4-2666	H310/Q370/C246
			6/6	i5-9500TE	2.20 GHz	9MB	35W				
			6/6	i5-9600K	3.70 GHz	9MB	95W				
			6/6	i5-9500	3.00 GHz	9MB	65W				
			6/6	i5-9400	2.90 GHz	9MB	65W				
			6/6	i5-9500T	2.20 GHz	9MB	35W				
			6/6	i5-9400T	1.80 GHz	9MB	35W				
	Core™ i3	14nm Coffee Lake refresh	4/4	i3-9100E	3.10 GHz	6MB	65W	Intel® UHD Graphics 630	DDR4-2400	H310/Q370/C246	
			4/4	i3-9100TE	2.20GHz	6MB	35W				
		14nm Coffee Lake	4/4	i3-9100	3.60 GHz	6MB	65W				
			4/4	i3-9300	3.70 GHz	8MB	62W				
			4/4	i3-9300T	3.20 GHz	8MB	35W				
4/4			i3-9100T	3.10 GHz	6MB	35W					
4/4			i3-9350K	4.00 GHz	8MB	91W					

Yellow means long-term support

Desktop Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU List

Supported Sockets	Brand	process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA1151	Core™ i9	14nm Coffee Lake	8/16	i9-9900K	3.60 GHz	16MB	95W	Intel® UHD Graphics 630	350 MHz	DDR4-2666	H310/Q370
	Core™ i7	14nm Coffee Lake	8/8	i7-9700K	3.60 GHz	12MB	95W				
			6/12	i7-8700T	2.40 GHz	12MB	35W				
			6/12	i7-8700K	3.70 GHz	12MB	95W				
			6/12	i7-8700	3.20 GHz	12MB	65W				
			6/12	i7-8086K	4.00 GHz	12MB	95W				
	Core™ i3	14nm Coffee Lake	4/4	i3-8350K	4.00 GHz	8MB	91W	Intel® UHD Graphics 630	350 MHz	DDR4-2400	H310/Q370
		14nm Coffee Lake	4/4	i3-8300	3.70 GHz	8MB	62W				
			4/4	i3-8300T	3.20 GHz	8MB	35W				
			4/4	i3-8100	3.60 GHz	6MB	65W				
	Core™ i5	14nm Coffee Lake	6/6	i5-9600K	3.70 GHz	9MB	95W	Intel® UHD Graphics 630	350 MHz	DDR4-2666	H310/Q370
			6/6	i5-8600T	2.30 GHz	9MB	35W				
			6/6	i5-8600K	3.60 GHz	9MB	95W				
			6/6	i5-8600	3.10 GHz	9MB	65W				
			6/6	i5-8500T	2.10 GHz	9MB	35W				H310
			6/6	i5-8500	3.00 GHz	9MB	65W				
			6/6	i5-8400T	1.70 GHz	9MB	35W				
			6/6	i5-8400	2.80 GHz	9MB	65W				
	Pentium®	14nm Coffee Lake	2/4	G5600	3.90 GHz	4MB	54W	Intel® UHD Graphics 630	350 MHz	DDR4-2400	H310/Q370
			2/4	G5500T	3.20 GHz	4MB	35W				
			2/4	G5500	3.80 GHz	4MB	54W	Intel® UHD Graphics 610			
			2/4	G5400T	3.10 GHz	4MB	35W				
			2/4	G5400	3.70 GHz	4MB	58W				
	Celeron®	14nm Coffee Lake	2/2	G4920	3.20 GHz	2MB	54W	Intel® UHD Graphics 610	350 MHz	DDR4-2400	H310/Q370
2/2			G4900T	2.90 GHz	2MB	35W					
2/2			G4900	3.10 GHz	2 MB	54W					
FCLGA1151	Core™ i7	14nm Kaby Lake	4/8	i7-7700	3.6GHz	8 MB	65W	Intel® HD Graphics 630	350 MHz	DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V	C236/Q170/H110
			4/8	i7-7700K	4.2GHz	8 MB	91W				
			4/8	i7-7700T	2.9GHz	8 MB	35W				
	14nm Skylake	4/8	i7-6785R	3.30 GHz	8 MB	65 W	Intel® Iris™ Pro Graphics 580				
		4/8	i7-6700K	4.00 GHz	8 MB	91 W	Intel® HD Graphics 530				
		4/8	i7-6700T	2.80 GHz	8 MB	35 W					
		4/8	i7-6700	3.40 GHz	8 MB	65 W					
		4/8	i7-6700TE	2.40 GHz	8 MB	35 W					
	Core™ i5	14nm Kaby Lake	4/4	i5-7600K	3.8GHz	6 MB	91W	Intel® HD Graphics 630			
			4/4	i5-7600T	2.8GHz	6 MB	35W				
			4/4	i5-7600	3.5GHz	6 MB	65W				
			4/4	i5-7400T	2.4GHz	6 MB	35W				
			4/4	i5-7500T	2.7GHz	6 MB	35W				
		14 nm Skylake	4/4	i5-7400	3.5GHz	6 MB	65W	Intel® Iris™ Pro Graphics 580			
			4/4	i5-6600K	3.50 GHz	6 MB	91 W				
			4/4	i5-6585R	2.80 GHz	6 MB	65 W				
			4/4	i5-6500	3.20 GHz	6 MB	65 W				
			4/4	i5-6500T	2.50 GHz	6 MB	35 W				
	Core™ i3	14nm Kaby Lake	2/4	i3-7350K	4.2GHz	4 MB	60W	Intel® HD Graphics 630			
			2/4	i3-7320	4.1GHz	4 MB	51W				
			2/4	i3-7300	4.0GHz	4 MB	51W				
			2/4	i3-7300T	3.5GHz	4 MB	35W				
			2/4	i3-7101E	3.9GHz	3 MB	54W				
			2/4	i3-7101TE	3.4GHz	3 MB	35W				
14 nm Skylake		2/4	i3-7100T	3.4GHz	3 MB	35W	Intel® HD Graphics 530				
		2/4	i3-7100T	3.9GHz	3 MB	51W					
		2/4	i3-6300	3.80 GHz	4 MB	51 W					
		2/4	i3-6300T	3.30 GHz	4 MB	35 W					
		2/4	i3-6320	3.90 GHz	4 MB	51 W					
2/4	i3-6100	3.70 GHz	3 MB	51 W							
2/4	i3-6100T	3.20 GHz	3 MB	35 W							
2/4	i3-6100TE	2.70 GHz	4 MB	35 W							

Yellow means long-term support

Desktop Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset	
FCLGA1151	Pentium®	14nm Kaby Lake	2/4	G4620	3.7GHz	3 MB	51W	Intel® HD Graphics 630	350 MHz	DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V	C236/Q170/H110	
			2/4	G4600T	3.0GHz	3 MB	35W					
			2/4	G4600T	3.6GHz	3 MB	51W					
			2/4	G4560T	2.9GHz	3 MB	35W					
		14nm Skylake	2/4	G4560	3.5GHz	3 MB	54W	Intel® HD Graphics 610				
			2/2	G4500	3.50 GHz	3 MB	51W					
			2/2	G4500T	3.00 GHz	3 MB	35W					
			2/2	G4520	3.60 GHz	3 MB	51W					
			2/2	G4400	3.30 GHz	3 MB	54W					
	Celeron®	14nm Kaby Lake	2/2	G3950	3.0GHz	2 MB	51W	Intel® HD Graphics 610				
			2/2	G3930TE	2.7GHz	2 MB	35W					
			2/2	G3930T	2.7GHz	2 MB	35W					
			2/2	G3930E	2.9GHz	2 MB	54W					
			2/2	G3930	2.9GHz	2 MB	51W					
		14 nm Skylake	2/2	G3920	2.90 GHz	2 MB	51 W	Intel® HD Graphics 510				
			2/2	G3900T	2.60 GHz	2 MB	35 W					
			2/2	G3900	2.80 GHz	2 MB	51 W					
			2/2	G3900TE	2.30 GHz	2 MB	35 W					
FCLGA1150	Core™ i7	22 nm Haswell	4/4	i7-4765T	2 GHz	8 MB	35 W	Intel® HD Graphics 4600	350 MHz	DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V	C226/Q87/H81	
			2/4	i7-4770	3.4 GHz	8 MB	84 W		350 MHz			
			4/4	i7-4770K	3.5 GHz	8 MB	84 W		350 MHz			
			4/8	i7-4770S	3.1 GHz	8 MB	65 W		350 MHz			
			4/8	i7-4770T	2.5 GHz	8 MB	45 W		350 MHz			
			4/8	i7-4771	3.5 GHz	8 MB	84 W		350 MHz			
			4/8	i7-4785T	2.2 GHz	8 MB	35 W		350 MHz			
			4/8	i7-4790	3.6 GHz	8 MB	84 W		350 MHz			
			4/8	i7-4790S	3.2 GHz	8 MB	65 W		350 MHz			
			4/8	i7-4790T	2.7 GHz	8 MB	45 W		350 MHz			
			Core™ i5	4/4	i5-4670	3.4 GHz	6 MB		84 W			350 MHz
				4/4	i5-4670K	3.4 GHz	6 MB		84 W			350 MHz
				4/4	i5-4670S	3.1 GHz	6 MB		65 W			350 MHz
				4/4	i5-4670T	2.3 GHz	6 MB		45 W			350 MHz
				4/4	i5-4690	3.5 GHz	6 MB		84 W			350 MHz
				4/4	i5-4690S	3.2 GHz	6 MB		65 W			350 MHz
				4/4	i5-4690T	2.5 GHz	6 MB		45 W			350 MHz
				4/4	i5-4570	3.2 GHz	6 MB		84 W			350 MHz
	4/4			i5-4570S	2.9 GHz	6 MB	65 W	350 MHz				
	2/4			i5-4570T	2.9 GHz	4 MB	35 W	200 MHz				
	4/4			i5-4590	3.3 GHz	6 MB	84 W	350 MHz				
	4/4			i5-4590S	3 GHz	6 MB	65 W	350 MHz				
	4/4			i5-4590T	2 GHz	6 MB	35 W	350 MHz				
	4/4			i5-4460T	1.9 GHz	6 MB	35 W	350 MHz				
	4/4			i5-4460S	2.9 GHz	6 MB	65 W	350 MHz				
	4/4			i5-4460	3.2 GHz	6 MB	84 W	350 MHz				
	4/4			i5-4440S	2.8 GHz	6 MB	65 W	350 MHz				
	4/4			i5-4440	3.1 GHz	6 MB	84 W	350 MHz				
	4/4		i5-4430S	2.7 GHz	6 MB	65 W	350 MHz					
	4/4		i5-4430	3 GHz	6 MB	84 W	350 MHz					
	Core™ i3		2/4	i3-4330	3.5 GHz	4 MB	54 W	Intel® HD Graphics 4600	350 MHz			
			2/4	i3-4330T	3 GHz	4 MB	35 W		200 MHz			
			2/4	i3-4340	3.6 GHz	4 MB	54 W		350 MHz			
			2/4	i3-4350	3.6 GHz	4 MB	54 W		350 MHz			
			2/4	i3-4350T	3.1 GHz	4 MB	35 W		200 MHz			
			2/4	i3-4360	3.7 GHz	4 MB	54 W		350 MHz			
			2/4	i3-4360T	3.2 GHz	4 MB	35 W		200 MHz			
			2/4	i3-4370	3.8 GHz	4 MB	54 W		350 MHz			
			Core™ i3	2/4	i3-4370T	3.3 GHz	4 MB	35 W	Intel® HD Graphics 4400	200 MHz		
				2/4	i3-4170T	3.2 GHz	3 MB	35 W		200 MHz		
				2/4	i3-4170	3.7 GHz	3 MB	54 W		350 MHz		
				2/4	i3-4160T	3.1 GHz	3 MB	35 W		200 MHz		
2/4		i3-4160		3.6 GHz	3 MB	54 W	350 MHz					
2/4		i3-4150T		3 GHz	3 MB	35 W	200 MHz					
2/4		i3-4150		3.5 GHz	3 MB	54 W	350 MHz					
2/4		i3-4130T		2.9 GHz	3 MB	35 W	200 MHz					
2/4	i3-4130	3.4 GHz	3 MB	54 W	350 MHz							

Yellow means long-term support

Desktop Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset			
FCLGA1150	Pentium®	22nm Haswell	2/2	G3470	3.6 GHz	3 MB	53 W	Intel® HD Graphics	350 MHz	DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V	C226/Q87/ H81			
			2/2	G3460T	3 GHz	3 MB	35 W		200 MHz					
			2/2	G3460	3.5 GHz	3 MB	53 W		350 MHz					
			2/2	G3450T	2.9 GHz	3 MB	35 W		200 MHz					
			2/2	G3450	3.4 GHz	3 MB	53 W		350 MHz					
			2/2	G3440T	2.8 GHz	3 MB	35 W		200 MHz					
			2/2	G3440	3.3 GHz	3 MB	53 W		350 MHz					
			2/2	G3430	3.3 GHz	3 MB	53 W		350 MHz					
			2/2	G3420T	2.7 GHz	3 MB	35 W		200 MHz					
			2/2	G3420	3.2 GHz	3 MB	53 W		350 MHz					
			2/2	G3260T	2.9 GHz	3 MB	35 W		200 MHz					
			2/2	G3260	3.3 GHz	3 MB	53 W		350 MHz					
			2/2	G3258	3.2 GHz	3 MB	53 W		350 MHz					
			2/2	G3250T	2.8 GHz	3 MB	35 W		200 MHz					
			2/2	G3250	3.2 GHz	3 MB	53 W		350 MHz					
			2/2	G3240T	2.7 GHz	3 MB	35 W		200 MHz					
			2/2	G3240	3.1 GHz	3 MB	53 W		350 MHz					
			2/2	G3220T	2.6 GHz	3 MB	35 W		200 MHz					
	2/2	G3220	3 GHz	3 MB	53 W	350 MHz								
	Celeron®			2/2	G1820	2.7 GHz	2 MB	53 W		350 MHz		DDR3-1333, DDR3L-1333 @ 1.5V		
				2/2	G1820T	2.4 GHz	2 MB	35 W		200 MHz				
				2/2	G1830	2.8 GHz	2 MB	53 W		350 MHz				
				2/2	G1840	2.8 GHz	2 MB	53 W		350 MHz				
				2/2	G1840T	2.5 GHz	2 MB	35 W		200 MHz				
2/2				G1850	2.9 GHz	2 MB	53 W		350 MHz					
LGA1155				Core™ i7	22nm Ivy Bridge	4/8	i7-3770T	2.5 GHz	8 MB	45 W	-		1.15 GHz	DDR3-1333/1600
						4/8	i7-3770S	3.1 GHz	8 MB	65 W	-		1.15 GHz	
	4/8	i7-3770K	3.5 GHz			8 MB	77 W	-	1.15 GHz					
	4/8	i7-3770	3.4 GHz			8 MB	77 W	-	1.15 GHz					
	Core™ i7	32nm Sandy Bridge	4/8	i7-2700K	3.5 GHz	8 MB	95 W	-	1.35 GHz	DDR3-1066/1333				
			4/8	i7-2600S	2.8 GHz	8 MB	65 W	-	1.35 GHz					
			4/8	i7-2600K	3.4 GHz	8 MB	95 W	-	1.35 GHz					
			4/8	i7-2600	3.4 GHz	8 MB	95 W	-	1.35 GHz					
	Core™ i5	22nm Ivy Bridge	4/4	i5-3570T	2.3 GHz	6 MB	45 W	-	1.15 GHz	DDR3-1333/1600				
			4/4	i5-3570S	3.1 GHz	6 MB	65 W	-	1.15 GHz					
			4/4	i5-3570K	3.4 GHz	6 MB	77 W	-	1.15 GHz					
			4/4	i5-3570	3.4 GHz	6 MB	77 W	-	1.15 GHz					
			4/4	i5-3550S	3 GHz	6 MB	65 W	-	1.15 GHz					
			4/4	i5-3550	3.3 GHz	6 MB	77 W	-	1.15 GHz					
			4/4	i5-3475S	2.9 GHz	6 MB	65 W	-	1.1 GHz					
			2/4	i5-3470T	2.9 GHz	3 MB	35 W	-	1.1 GHz					
			4/4	i5-3470S	2.9 GHz	6 MB	65 W	-	1.1 GHz					
			4/4	i5-3470	3.2 GHz	6 MB	77 W	-	1.1 GHz					
			4/4	i5-3450S	2.8 GHz	6 MB	65 W	-	1.1 GHz					
			4/4	i5-3450	3.1 GHz	6 MB	77 W	-	1.1 GHz					
4/4			i5-3350P	3.1 GHz	6 MB	69 W	-	1.05 GHz						
4/4			i5-3330S	2.7 GHz	6 MB	65 W	-	1.05 GHz						
4/4			i5-3330	3 GHz	6 MB	77 W	-	1.05 GHz						
Core™ i5			32nm Sandy Bridge	4/4	i5-2550K	3.4 GHz	6 MB	95 W	-		1.25 GHz	DDR3-1066/1333		
	4/4	i5-2500T		2.3 GHz	6 MB	45 W	-	1.25 GHz						
	4/4	i5-2500S		2.7 GHz	6 MB	65 W	-	1.1 GHz						
	4/4	i5-2500K		3.3 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2500		3.3 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2450P		3.2 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2405S		2.5 GHz	6 MB	65 W	-	1.1 GHz						
	4/4	i5-2400S		2.5 GHz	6 MB	65 W	-	1.1 GHz						
	4/4	i5-2400		3.1 GHz	6 MB	95 W	-	1.1 GHz						
	2/4	i5-2390T		2.7 GHz	3 MB	35 W	-	1.1 GHz						
	4/4	i5-2380P		3.1 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2320		3 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2310		2.9 GHz	6 MB	95 W	-	1.1 GHz						
	4/4	i5-2300		2.8 GHz	6 MB	95 W	-	1.1 GHz						

Yellow means long-term support

Desktop Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Graphics Base Frequency	Memory Types	Chipset	
LGA1155	Core™ i3	22nm Ivy Bridge	2/4	i3-3240T	2.9 GHz	3 MB	35 W	1.05 GHz	DDR3-1333/1600	Q77/Q67/B65/H61	
			2/4	i3-3240	3.4 GHz	3 MB	55 W	1.05 GHz			
			2/4	i3-3225	3.3 GHz	3 MB	55 W	1.05 GHz			
			2/4	i3-3220T	2.8 GHz	3 MB	35 W	1.05 GHz			
			2/4	i3-3220	3.3 GHz	3 MB	55 W	1.05 GHz			
	Core™ i3	32nm Sandy Bridge	2/4	i3-2130	3.4 GHz	3 MB	65 W	1.1 GHz	DDR3-1066/1333		
			2/4	i3-2125	3.3 GHz	3 MB	65 W	1.1 GHz			
			2/4	i3-2120T	2.6 GHz	3 MB	35 W	1.1 GHz			
			2/4	i3-2120	3.3 GHz	3 MB	65 W	1.1 GHz			
			2/4	i3-2105	3.1 GHz	3 MB	65 W	1.1 GHz			
			2/4	i3-2102	3.1 GHz	3 MB	65 W	1.1 GHz			
			2/4	i3-2100T	2.5 GHz	3 MB	35 W	1.1 GHz			
			2/4	i3-2100	3.1 GHz	3 MB	65 W	1.1 GHz			
	Pentium®	22nm Ivy Bridge	2/2	G2120	3.1 GHz	3 MB	55 W	1.05 GHz	DDR3-1333/1600		
			2/2	G2100T	2.6 GHz	3 MB	35 W	1.05 GHz			
LGA1155	Pentium®	32nm Sandy Bridge	2/2	G870	3.1 GHz	3 MB	65 W	1.1 GHz	DDR3-1066/1333		
			2/2	G860T	2.6 GHz	3 MB	35 W	1.1 GHz			
			2/2	G860	3 GHz	3 MB	65 W	1.1 GHz			
			2/2	G850	2.9 GHz	3 MB	65 W	1.1 GHz			
			2/2	G840	2.8 GHz	3 MB	65 W	1.1 GHz			
			2/2	G645T	2.5 GHz	3 MB	35 W	1.1 GHz			
			2/2	G645	2.9 GHz	3 MB	65 W	1.1 GHz			
			2/2	G640T	2.4 GHz	3 MB	35 W	1.1 GHz			
			2/2	G640	2.8 GHz	3 MB	65 W	1.1 GHz			
			2/2	G632	2.7 GHz	3 MB	65 W	1.1 GHz			
			2/2	G630T	2.3 GHz	3 MB	35 W	1.1 GHz			
			2/2	G630	2.7 GHz	3 MB	65 W	1.1 GHz			
			2/2	G622	2.6 GHz	3 MB	65 W	1.1 GHz			
			2/2	G620T	2.2 GHz	3 MB	35 W	1.1 GHz			
			2/2	G620	2.6 GHz	3 MB	65 W	1.1 GHz			
			Celeron®	22nm Ivy Bridge	2/2	G1610	2.6 GHz	2 MB	55 W	1.05 GHz	DDR3-1066
					2/2	G1620	2.7 GHz	2 MB	55 W	1.05 GHz	
			Celeron®	32nm Sandy Bridge	2/2	G555	2.7 GHz	2 MB	65 W	1 GHz	DDR3-1333/1600
	2/2	G550T			2.2 GHz	2 MB	35 W	1 GHz			
	2/2	G550			2.6 GHz	2 MB	65 W	1 GHz			
	2/2	G540T			2.1 GHz	2 MB	35 W	1 GHz			
	2/2	G540			2.5 GHz	2 MB	65 W	1 GHz			
	2/2	G530T			2 GHz	2 MB	35 W	1 GHz			
	2/2	G530			2.4 GHz	2 MB	65 W	1 GHz			
	1/2	G465			1.9 GHz	1.5 MB	35 W	1 GHz			
	1/2	G460			1.8 GHz	1.5 MB	35 W	1 GHz			
	1/1	G440			1.6 GHz	1 MB	35 W	1 GHz			
	LGA1156	Core™ i7	45nm	Quad Core	i7-880	2.93G	8M	95W	-	DDR3-1333/1600	
i7-875K					2.93G	8M	95W	-			
i7-870S					2.66G	8M	82W	-			
i7-870					2.93G	8M	95W	-			
i7-860S					2.53G	8M	82W	-			
i7-860		2.8G		8M	95W	-					
Core™ i5		Dual Core		i5-760	2.8G	8M	95W	-			
				i5-750S	2.4G	8M	82W	-			
				i5-750	2.66G	8M	95W	-			
				i5-680	3.6G	4M	73W	733MHz			
			i5-670	3.46G	4M	73W	733MHz				
Core™ i5		Dual Core	i5-661	3.33G	4M	87W	900MHz				
			i5-660	3.33G	4M	73W	733MHz				
			i5-665K	3.2G	4M	73W	733MHz				
			i5-650	3.2G	4M	73W	733MHz				
			i3-560	3.33G	4M	73W	733MHz				
Core™ i3		Dual Core	i3-550	3.2G	4M	73W	733MHz				
			i3-540	3.06G	4M	73W	733MHz				
			i3-530	2.93G	4M	73W	733MHz				
Pentium®		Dual Core	G6960	2.933G	3M	73W	533MHz	DDR3-1333			
	G6950		2.8G	3M	73W	533MHz					

Yellow means long-term support *HM65/HM55 chipset doesn't support Intel® AMT feature

ULT/UP3 CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset		
FCBGA1449	Core™ i7	10nm Tiger Lake-UP3	4/8	i7-1185G7E	2.8GHz/ 1.8GHz/ 1.2GHz	12MB	28W/ 15W/ 12W	Intel® Iris® Xe Graphics 96 EU 4x4k or 2x8k Displays 2 VDBOX	1.35 GHz	DDR4-3200, LPDDR4x-4267	-		
				i7-1185GRE						DDR4-3200, LPDDR4x-4267, In-Band ECC	-		
	Core™ i5		4/8	i5-1145G7E	2.6GHz/ 1.5GHz/ 1.1GHz	8MB	28W/ 15W/ 12W	Intel® Iris® Xe Graphics 80 EU 4x4k or 2x8k Displays 2 VDBOX	1.30 GHz	DDR4-3200, LPDDR4x-4267	-		
				i5-1145GRE						DDR4-3200, LPDDR4x-4267, In-Band ECC	-		
	Core™ i3		2/4	i3-1115G4E	3.0GHz/ 2.2GHz/ 1.7 GHz	6MB	28W/ 15W/ 12W	Intel® UHD Graphics 48EU 4x4k or 1x8k Displays 1 VDBOX	1.25 GHz	DDR4-3200, LPDDR4x-3733	-		
				i3-1115GRE						DDR4-3200, LPDDR4x-3733, In -Band ECC	-		
	Celeron®		2/2	6305E	1.8 GHz	4MB	15W	Intel® UHD Graphics 48EU 4x4k or 1x8k Displays 1 VDBOX	1.25 GHz	DDR4-3200, LPDDR4x-3733	-		
	FCBGA1528		Core™ i7	14nm Whiskey Lake	4/8	i7-8565U	1.8GHz	8MB	15W	Intel® UHD Graphics 620	300 MHz	DDR4-2400, LPDDR3-2133	-
					4/8	i7-8665U	1.9GHz	8MB	15W				-
					4/8	i7-8665UE	1.7GHz	8MB	15W				-
4/8		i5-8265U	1.6GHz		6MB	15W	-						
4/8		i5-8365U	1.6GHz		6MB	15W	-						
4/8		i5-8365UE	1.6GHz		6MB	15W	-						
Core™ i5		2/4	i3-8145U		2.10 GHz	4MB	15W	Intel® UHD Graphics 610	300 MHz	DDR4-2133, LPDDR3-1866	-		
			i3-8145UE		2.2GHz	4MB	15W				-		
Pentium®		2/4	5405U		2.3GHz	2MB	15W	-	-	DDR4-2133, LPDDR3-1866	-		
Celeron®		2/2	4205U		1.8GHz	2MB	15W	-	-	DDR4-2133, LPDDR3-1866	-		
			4305UE		2.00GHz	2MB	15W	-	-	DDR4-2133, LPDDR3-1866	-		
FCBGA1356		Core™ i7	14nm Coffee lake		4/8	i7-8559U	2.70 GHz	8MB	28W	Intel® Iris™ Plus Graphics 655	300 MHz	DDR4-2400, LPDDR3-2133	-
	Core™ i5	4/8		i5-8269U	2.60 GHz	6MB	28W	-					
	Core™ i5	4/8		i5-8259U	2.30 GHz	6MB	28W	-					
	Core™ i3	2/4		i3-8109U	3.00 GHz	4MB	28W	-					
FCBGA1356	Core™ i7	14nm Kabylake	2/4	i7-7660U	2.5GHz	4MB	15W	Intel® Iris™ Plus Graphics 640	300 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	-		
			2/4	i7-7600U	2.8GHz	4MB	15W	Intel® HD Graphics 620			-		
			2/4	i7-7567U	3.5GHz	4MB	28W	Intel® Iris™ Plus Graphics 650			-		
			2/4	i7-7560U	2.4GHz	4MB	15W	Intel® Iris™ Plus Graphics 640			-		
			2/4	i7-7500U	2.70 GHz	4MB	15 W	Intel® HD Graphics 620			-		
			2/4	i5-7360U	2.3GHz	4MB	15W	Intel® Iris™ Plus Graphics 640			-		
	Core™ i5		2/4	i5-7300U	2.6GHz	3MB	15W	Intel® HD Graphics 620	-				
			2/4	i5-7287U	3.3GHz	4MB	28W	Intel® Iris™ Plus Graphics 650	-				
			2/4	i5-7267U	3.1GHz	4MB	28W	Intel® Iris™ Plus Graphics 650	-				
			2/4	i5-7260U	2.2GHz	4MB	15W	Intel® Iris™ Plus Graphics 640	-				
			2/4	i5-7200U	2.50 GHz	3MB	15W	Intel® HD Graphics 620	-				
			2/4	i3-8130U	2.20 GHz	4MB	15W	Intel® HD Graphics 620	DDR4-2400, LPDDR3-2133				
	Core™ i3		2/4	i3-7130U	2.7GHz	3MB	15W	Intel® HD Graphics 620	-				
			2/4	i3-7167U	2.8GHz	3MB	28W	Intel® Iris™ Plus Graphics 650	-				
	Pentium®		2/4	i3-7100U	2.40 GHz	3MB	15W	Intel® HD Graphics 620	DDR4-2133, LPDDR3-1866, DDR3L-1600				
			2/4	4415U	2.3GHz	2MB	15W	Intel® HD Graphics 620	-				
	Celeron®		2/2	3965U	2.2GHz	2MB	15W	Intel® HD Graphics 610	-				
			2/2	3865U	1.8GHz	2MB	15W	Intel® HD Graphics 610	-				
FCBGA1356	Core™ i7	14nm Skylake	2/4	i7-6500U	2.50 GHz	4 MB	15 W	Intel® HD Graphics 520	300 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	-		
			2/4	i7-6560U	2.20 GHz	4 MB	15 W	Intel® Iris™ Graphics 540			-		
			2/4	i7-6567U	3.30 GHz	4 MB	28 W	Intel® Iris™ Graphics 550			-		
			2/4	i7-6600U	2.60 GHz	4 MB	15 W	Intel® HD Graphics 520			-		
			2/4	i7-6660U	2.40 GHz	4 MB	15 W	Intel® Iris™ Graphics 540			-		
			2/4	i7-6650U	2.20 GHz	4 MB	15 W	Intel® Iris™ Graphics 540			-		

Yellow means long-term support *HM65/HM55 chipset doesn't support Intel® AMT feature

» ULT/UP3 CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCBGA1356	Core™ i5	14nm Skylake	2/4	i5-6287U	3.10 GHz	4 MB	28 W	Intel® Iris™ Graphics 550	300 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	-
			2/4	i5-6267U	2.90 GHz	4 MB	28 W				-
			2/4	i5-6260U	1.80 GHz	4 MB	15 W	Intel® Iris™ Graphics 540			-
			2/4	i5-6200U	2.30 GHz	3 MB	15 W	Intel® HD Graphics 520			-
			2/4	i5-6300U	2.40 GHz	3 MB	15 W				-
			2/4	i5-6360U	2.00 GHz	4 MB	15 W	Intel® Iris™ Graphics 540			-
	Core™ i3		2/4	i3-6006U	2.00 GHz	3 MB	15 W	Intel® HD Graphics 520		-	
			2/4	i3-6167U	2.70 GHz	3 MB	28 W	Intel® Iris™ Graphics 550		-	
			2/4	i3-6157U	2.40 GHz	3 MB	28 W			-	
	Pentium®		2/4	i3-6100U	2.30 GHz	3 MB	15 W	Intel® HD Graphics 520		-	
	Celeron®		2/4	4405U	2.10 GHz	2 MB	15 W			DDR4-1866/2133, LPDDR3-1600/1866	-
			2/2	3855U	1.60 GHz	2 MB	15 W	Intel® HD Graphics 510		DDR4-1866/2133, LPDDR3-1600/1866, DDR3L-1333/1600	-
				2/2	3955U	2.00 GHz	2 MB	15 W			
FCBGA1168	Core™ i7	14nm Broadwell	2/4	i7-5650U	2.2 GHz	4 MB	15 W	Intel® HD Graphics 6000	300 MHz	DDR3L 1333/1600, LPDDR3 1600/1866	-
	Core™ i5		2/4	i5-5350U	1.8 GHz	3 MB	15 W		300 MHz		-
	Core™ i3		2/4	i3-5010U	2.1 GHz	3 MB	15 W	Intel® HD Graphics 5500	300 MHz	DDR3L 1333/1600, LPDDR 1333/1600	-
	Celeron®		2/2	3765U	1.9 GHz	2 MB	15 W	Intel® HD Graphics	300 MHz		-
	Core™ i7	22nm Haswell	2/4	i7-4650U	1.7 GHz	4 MB	15 W	Intel® HD Graphics 5000	200 MHz	DDR3L 1333/1600, LPDDR3 1333/1600	-
	Core™ i5		2/4	i5-4300U	1.9 GHz	3 MB	15 W	Intel® HD Graphics 4400	200 MHz		-
	Core™ i3		2/4	i3-4010U	1.7 GHz	3 MB	15 W		200 MHz		-
	Celeron®		2/2	2980U	1.6 GHz	2 MB	15 W	Intel® HD Graphics	200 MHz		-

» Mobile Core™ i7/i5/i3/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCLGA1151	Xeon® E	14nm Coffee Lake refresh	8/16	E-2288G	3.70 GHz	16MB	95W	Intel® UHD Graphics P630	350MHz	DDR4-2666	C246
			6/12	E-2286G	4.00 GHz	12MB	95W	N/A	N/A		C240
			8/16	2278GE	3.30 GHz	16MB	80W	Intel® UHD Graphics P630	350MHz		C246
			8/16	2278GEL	2.00 GHz	16MB	35W				C240
			8/16	E-2278G	3.40 GHz	16MB	80W	N/A	N/A		C240
			6/12	E-2276G	3.80 GHz	12MB	80W				C246
			4/8	E-2274G	4.00 GHz	8MB	83W	Intel® UHD Graphics P630	350MHz		C246
			6/12	E-2246G	3.60 GHz	12MB	80W				C240
			4/8	E-2244G	3.80 GHz	8MB	71W				C240
			6/12	E-2236	3.40 GHz	12MB	80W	N/A	N/A		C240
			4/8	E-2234	3.60 GHz	8MB	71W				C246
			6/6	E-2226G	3.40 GHz	12MB	80W	Intel® UHD Graphics P630	350MHz		C240
			6/6	E-2226GE	3.40 GHz	12MB	80W				C240
4/4	E-2224	3.40 GHz	8MB	71W	N/A	N/A	C240				
FCBGA1440	Xeon® E	14nm Coffee lake	6/12	E-2186M	2.90 GHz	12MB	45W	Intel® UHD Graphics P630	350 MHz	DDR4-2666, LPDDR3-2133	CM246
			6/12	E-2176M	2.70 GHz	12MB	45W				
	Xeon® E3	14nm Kabylake	4/8	E3-1535MV6	3.10 GHz	8 MB	45W	Intel® HD Graphics P630		DDR4-2400, LPDDR3-2133, DDR3L-1600	CM236
			4/8	E3-1505MV6	3.00 GHz	8 MB	45 W				
			4/8	E3-1505LV6	2.20 GHz	8 MB	25 W				
			4/4	E3-1501LV6	2.10 GHz	6 MB	25 W				
	Xeon® E3	14nm Skylake	4/4	E3-1501MV6	2.90 GHz	6 MB	45 W			DDR4-2400	
			4/8	E3-1575MV5	3.00 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics P580		DDR4-2133, LPDDR3-1866, DDR3L-1600	CM236
			4/8	E3-1545MV5	2.90 GHz	8 MB	45 W	Intel® HD Graphics P530			
			4/8	E3-1535MV5	2.90 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics P580			
4/8	E3-1515MV5	2.80 GHz	8 MB	45 W	Intel® HD Graphics P530						

Yellow means long-term support *HM65/HM55 chipset doesn't support Intel® AMT feature

Mobile Core™ i7/i5/i3/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset
FCBGA1440	Core™ i9	14nm Coffee lake	6/12	i9-8950HK	2.90 GHz	12MB	45W	Intel® UHD Graphics 630	350 MHz	DDR4-2666, LPDDR3-2133	CM246
			6/12	i7-8850H	2.60 GHz	9MB	45W				
	Core™ i7		6/12	i7-8750H	2.20 GHz	9MB	45W				
			6/12	i7-8700B	3.20 GHz	12MB	65W				
	Core™ i5		6/6	i5-8500B	3.00 GHz	9MB	65W				
			4/8	i5-8400H	2.50 GHz	8MB	45W				
			6/6	i5-8400B	2.80 GHz	9MB	65W				
	4/8		i5-8300H	2.30 GHz	8MB	45W					
Core™ i3	4/4	i3-8100H	3.00 GHz	6MB	35W	DDR4-2666, LPDDR3-2133					
FCBGA1440	Core™ i7	14nm Kabylake	4/8	i7-7920HQ	3.10 GHz	8 MB	45W	Intel® HD Graphics 630	350MHz	DDR4-2400, LPDDR3-2133, DDR3L-1600	CM236
			4/8	i7-7820HQ	2.90 GHz	8 MB	45W				
			4/8	i7-7820HK	2.90 GHz	8 MB	45W				
			4/8	i7-7820EQ	3.00 GHz	8 MB	45W				
			4/8	i7-7700HQ	2.80 GHz	6 MB	45W				
	Core™ i5		4/4	i5-7442EQ	2.10 GHz	6 MB	25W				
			4/4	i5-7440HQ	2.80 GHz	6 MB	45W				
			4/4	i5-7440EQ	2.90 GHz	6 MB	45W				
	4/4		i5-7300HQ	2.50 GHz	6 MB	45W					
	Core™ i3		2/4	i3-7102E	2.10 GHz	3 MB	25W				
2/4		i3-7100E	2.90 GHz	3 MB	35W						
FCBGA1440	Core™ i7	14nm Skylake	4/8	i7-6820EQ	2.80 GHz	8 MB	45 W	Intel® HD Graphics 530	350 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	QM170/ HM170
			4/8	i7-6822EQ	2.00 GHz	8 MB	25 W				
			4/8	i7-6700HQ	2.60 GHz	6 MB	45 W				
			4/8	i7-6770HQ	2.60 GHz	6 MB	45 W	Intel® Iris™ Pro Graphics 580			
			4/8	i7-6820HK	2.70 GHz	8 MB	45 W	Intel® HD Graphics 530			
			4/8	i7-6820HQ	2.70 GHz	8 MB	45 W				
			4/8	i7-6870HQ	2.70 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics 580			
			4/8	i7-6920HQ	2.90 GHz	8 MB	45 W	Intel® HD Graphics 530			
			4/8	i7-6970HQ	2.80 GHz	8 MB	45 W	Intel® Iris™ Pro Graphics 580			
FCBGA1440	Core™ i5	14nm Skylake	4/4	i5-6442EQ	1.90 GHz	6 MB	25 W	Intel® HD Graphics 530	350 MHz	DDR4-2133, LPDDR3-1866, DDR3L-1600	QM170/ HM170
			4/4	i5-6440EQ	2.70 GHz	6 MB	45 W				
			4/4	i5-6300HQ	2.30 GHz	6 MB	45 W				
	4/4		i5-6350HQ	2.30 GHz	6 MB	45 W	Intel® Iris™ Pro Graphics 580				
	Core™ i3		2/4	i3-6102E	1.90 GHz	3 MB	25 W	Intel® HD Graphics 530			
			2/4	i3-6100E	2.70 GHz	3 MB	35 W				
			2/4	i3-6100H	2.70 GHz	3 MB	35 W				
	Celeron®		2/2	G3900E	2.40 GHz	2 MB	35 W	Intel® HD Graphics 510			
			2/2	G3902E	1.60 GHz	2 MB	25 W				
FCBGA1364	Core™ i7	22nm Haswell	4/8	i7-4700EC	2.7 GHz	8 MB	43 W	Intel® HD Graphics 4600	400 MHz	DDR3L 1333/1600	QM87/ HM86
			4/8	i7-4700EQ	2.4 GHz	6 MB	47 W		400 MHz		
			4/8	i7-4702EC	2 GHz	8 MB	27 W		None		
	Core™ i5		2/4	i5-4422E	1.8 GHz	3 MB	25 W	Intel® HD Graphics 4600	400 MHz		
			2/4	i5-4410E	2.9 GHz	3 MB	37 W		400 MHz		
			2/4	i5-4402EC	2.5 GHz	4 MB	27 W		None		
	Core™ i3		2/4	i5-4402E	1.6 GHz	3 MB	25 W	Intel® HD Graphics 4600	400 MHz		
			2/4	i5-4400E	2.7 GHz	3 MB	37 W		400 MHz		
			2/4	i3-4100E	2.4 GHz	3 MB	37 W		400 MHz		
			2/4	i3-4102E	1.6 GHz	3 MB	25 W		400 MHz		
			2/4	i3-4110E	2.6 GHz	3 MB	37 W		400 MHz		
	Celeron®		2/2	2002E	1.5 GHz	2 MB	25 W	Intel® HD Graphics	400 MHz		
			2/2	2000E	2.2 GHz	2 MB	37 W		400 MHz		

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Mobile Core™ i7/i5/i3/Celeron® CPU List

Supported Sockets	Brand	Process	Cores/Threads	Package Type	Processor Number	Processor Base Frequency	Cache	TDP	Processor Graphics	Graphics Base Frequency	Memory Types	Chipset			
rPGA988B	Core™ i7 Extreme Edition	22nm Ivy Bridge	4/8	PGA	i7-3940XM	3 GHz	8 MB	55 W	-	1.35 GHz	DDR3/L/-RS 1333/1600	QM77/ QM67			
			4/8		i7-3920XM	2.9 GHz	8 MB	55 W	-	1.3 GHz					
	Core™ i7 Extreme Edition	32nm Sandy Bridge	4/8		i7-2960XM	2.7 GHz	8 MB	55 W	-	1.3 GHz	DDR3-1066/1333/1600				
			4/8		i7-2920XM	2.5 GHz	8 MB	55 W	-	1.3 GHz					
	Core™ i7	22nm Ivy Bridge	4/8		i7-3840QM	2.8 GHz	8 MB	45 W	-	1.3 GHz	DDR3/L/-RS 1333/1600	QM77/ QM67/ HM65			
			4/8		i7-3820QM	2.7 GHz	8 MB	45 W	-	1.25 GHz					
			4/8		i7-3740QM	2.7 GHz	6 MB	45 W	-	1.3 GHz					
			4/8		i7-3720QM	2.6 GHz	6 MB	45 W	-	1.25 GHz					
			4/8		i7-3632QM	2.2 GHz	6 MB	35 W	-	1.15 GHz					
			4/8		i7-3630QM	2.4 GHz	6 MB	45 W	-	1.15 GHz					
			4/8		i7-3612QM	2.1 GHz	6 MB	35 W	-	1.1 GHz					
			4/8		i7-3610QM	2.3 GHz	6 MB	45 W	-	1.1 GHz					
			4/8		i7-3610QE	2.3 GHz	6 MB	45 W	-	1.0 GHz			DDR3/L 1333/1600		
			2/4		i7-3520M	2.9 GHz	4 MB	35 W	-	1.25 GHz			DDR3/L/-RS 1333/1600		
			4/8		i7-2860QM	2.5 GHz	8 MB	45 W	-	1.3 GHz			DDR3-1066/1333/1600		
			4/8		i7-2820QM	2.3 GHz	8 MB	45 W	-	1.3 GHz					
			4/8		i7-2760QM	2.4 GHz	6 MB	45 W	-	1.3 GHz					
			4/8		i7-2720QM	2.2 GHz	6 MB	45 W	-	1.3 GHz					
			Core™ i5		22nm Ivy Bridge	4/8	i7-2710QE	2.1 GHz	6 MB	45 W			-	1.2 GHz	DDR3-1066/1333
						4/8	i7-2670QM	2.2 GHz	6 MB	45 W			-	1.1 GHz	
						2/4	i7-2640M	2.8 GHz	4 MB	35 W			-	1.3 GHz	
						4/8	i7-2630QM	2 GHz	6 MB	45 W			-	1.1 GHz	
	2/4	i7-2620M				2.7 GHz	4 MB	35 W	-	1.3 GHz					
	2/4	i5-3610ME				2.7 GHz	3 MB	35 W	-	950 MHz	DDR3/L 1333/1600				
	2/4	i5-3360M				2.8 GHz	3 MB	35 W	-	1.2 GHz	DDR3/L/-RS 1333/1600				
	2/4	i5-3320M				2.6 GHz	3 MB	35 W	-	1.2 GHz					
	2/4	i5-3210M				2.5 GHz	3 MB	35 W	-	1.1 GHz					
	2/4	i5-2540M				2.6 GHz	3 MB	35 W	-	1.3 GHz					
	Core™ i5	32nm Sandy Bridge	2/4		i5-2520M	2.5 GHz	3 MB	35 W	-	1.3 GHz	DDR3-1066/1333				
			2/4		i5-2510E	2.5 GHz	3 MB	35 W	-	1.1 GHz					
			2/4		i5-2450M	2.5 GHz	3 MB	35 W	-	1.3 GHz					
			2/4		i5-2435M	2.4 GHz	3 MB	35 W	-	1.3 GHz					
			2/4		i5-2430M	2.4 GHz	3 MB	35 W	-	1.2 GHz					
			2/4		i5-2410M	2.3 GHz	3 MB	35 W	-	1.2 GHz					
			2/4		i3-3120M	2.5 GHz	3 MB	35 W	-	1.1 GHz		DDR3/L/-RS 1333/1600			
			2/4		i3-3110M	2.4 GHz	3 MB	35 W	-	1 GHz					
Core™ i3	32nm Sandy Bridge	2/4	i3-2370M	2.4 GHz	3 MB	35 W	-	1.15 GHz	DDR3-1066/1333						
		2/4	i3-2350M	2.3 GHz	3 MB	35 W	-	1.15 GHz							
		2/4	i3-2330M	2.2 GHz	3 MB	35 W	-	1.1 GHz							
		2/4	i3-2330E	2.2 GHz	3 MB	35 W	-	1.05 GHz							
		2/4	i3-2328M	2.2 GHz	3 MB	35 W	-	1.1 GHz							
		2/4	i3-2312M	2.1 GHz	3 MB	35 W	-	1.1 GHz							
		2/4	i3-2310M	2.1 GHz	3 MB	35 W	-	1.1 GHz							
		2/2	B840	1.9 GHz	2 MB	35 W	-	1 GHz							
		2/2	B830	1.8 GHz	2 MB	35 W	-	1.05 GHz							
		2/2	B820	1.7 GHz	2 MB	35 W	-	1.05 GHz							
		2/2	B815	1.6 GHz	2 MB	35 W	-	1.05 GHz							
		2/2	B810	1.6 GHz	2 MB	35 W	-	950 MHz							
		2/2	B800	1.5 GHz	2 MB	35 W	-	1 GHz							
		1/1	B720	1.7 GHz	2 MB	35 W	-	1 GHz							
1/1	B710	1.6 GHz	1.5 MB	35 W	-	1 GHz									
Socket988A	Core™ i7 Extreme Edition	45nm	Quad	PGA	i7-940XM	2.13G	8M	55W	-	-	1333 MHz 1066 MHz	QM57/ HM55			
					i7-920XM	2.0G	8M	55W	-	-					
	i7-840QM				1.86G	8M	45W	-	-						
	i7-820QM				1.73G	8M	45W	-	-						
	i7-740QM				1.73G	6M	45W	-	-						
	i7-720QM				1.6G	6M	45W	-	-						
	i7-640M				2.8G	4M	35W	-	-						
	i7-620M				2.66G	4M	35W	-	-						
	i5-580M				2.66G	3M	35W	-	-						
	i5-560M				2.66G	3M	35W	-	-						
	i5-540M				2.53G	3M	35W	-	-						
	i5-520M				2.4G	3M	35W	-	-						
	i5-480M		2.66G		3M	35W	-	-							
	i5-460M		2.53G		3M	35W	-	-							
	i5-450M		2.4G		3M	35W	-	500MHz							
	i5-430M		2.26G		3M	35W	-	-							
	i3-390M		2.66G		3M	35W	-	-							
	i3-380M		2.53G		3M	35W	-	-							
	i3-370M		2.4G		3M	35W	-	-							
	i3-350M		2.26G		3M	35W	-	-							
	i3-330M		2.13G		3M	35W	-	-							
	Core™ i3		P4600		2.0G	2M	35W	-	-						
			P4500		1.86G	2M	35W	-	-						
	Celeron®														

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