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# PC



[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_processors](https://en.wikipedia.org/wiki/List_of_Intel_processors)

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_CPU\\_microarchitectures](https://en.wikipedia.org/wiki/List_of_Intel_CPU_microarchitectures)

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_chipsets](https://en.wikipedia.org/wiki/List_of_Intel_chipsets)

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_codenames](https://en.wikipedia.org/wiki/List_of_Intel_codenames)

[https://linuxreviews.org/The\\_Massive\\_Intel\\_Leak:\\_The\\_Files\\_It\\_Contains\\_And\\_Their\\_Content](https://linuxreviews.org/The_Massive_Intel_Leak:_The_Files_It_Contains_And_Their_Content)

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_Xeon\\_chipsets](https://en.wikipedia.org/wiki/List_of_Intel_Xeon_chipsets)

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_Xeon\\_processors](https://en.wikipedia.org/wiki/List_of_Intel_Xeon_processors)

CoffeTime	<a href="https://forums.overclockers.ru/viewtopic.php?f=1&amp;t=602278&amp;start=12640">https://forums.overclockers.ru/viewtopic.php?f=1&amp;t=602278&amp;start=12640</a>
Модификация UEFI BIOS. Софт для работы.	<a href="https://forums.overclockers.ru/viewtopic.php?f=25&amp;t=479847">https://forums.overclockers.ru/viewtopic.php?f=25&amp;t=479847</a>
CPU microcode archive	<a href="https://www.win-raid.com/t5709f47-OFFER-Intel-CPU-Microcode-Archives.html">https://www.win-raid.com/t5709f47-OFFER-Intel-CPU-Microcode-Archives.html</a>

## Intel x86 microarchitectures

x86 microarchitectures

Year	Micro-architecture	Pipeline stages	Max clock (MHz)	Process node
1978	<a href="#">8086</a> (8086, <a href="#">8088</a> )	2	5	
1982	<a href="#">186</a> (80186, <a href="#">80188</a> )	2	25	<a href="#">3000</a> nm
1982	<a href="#">286</a> (80286)	3	25	<a href="#">1500</a> nm
1985	<a href="#">386</a> (80386)	6	33	
1989	<a href="#">486</a> (80486)	5	100	<a href="#">1000</a> nm
1993	<a href="#">P5</a> (Pentium)	5	200	<a href="#">800</a> , <a href="#">600</a> , <a href="#">350</a> nm
1995	<a href="#">P6</a> (Pentium Pro, Pentium II)	14 (17 with load & store/retire)	450	<a href="#">500</a> , <a href="#">350</a> , <a href="#">250</a> nm
1997	<a href="#">P5</a> (Pentium MMX)	6	233	<a href="#">350</a> nm
1999	<a href="#">P6</a> (Pentium III)	12 (15 with load & store/retire)	1400	<a href="#">250</a> , <a href="#">180</a> , <a href="#">130</a> nm
2000	<a href="#">NetBurst</a> (Pentium 4) (Willamette)	20 unified with branch prediction	2000	<a href="#">180</a> nm
2002	<a href="#">NetBurst</a> (Pentium 4) (Northwood, Gallatin)		3466	<a href="#">130</a> nm
2003	<a href="#">Pentium M</a> (Banas, Dothan) <a href="#">Enhanced Pentium M</a> (Yonah)	10 (12 with fetch/retire)	2333	<a href="#">130</a> , <a href="#">90</a> , <a href="#">65</a> nm
2004	<a href="#">NetBurst</a> (Pentium 4, Pentium D) ( <a href="#">Prescott</a> )	31 unified with branch prediction	3800	<a href="#">90</a> , <a href="#">65</a> nm
2006	<a href="#">Intel Core</a>	12 (14 with fetch/retire)	3000	<a href="#">65</a> nm
2007	<a href="#">Penryn</a> (die shrink)		3333	
2008	<a href="#">Nehalem</a>	20 unified (14 without miss prediction)	3600	<a href="#">45</a> nm
	<a href="#">Bonnell</a>	16 (20 with prediction miss)	2100	

2010	<i>Westmere</i> (die shrink)	20 unified (14 without miss prediction)	3866	
				32 nm
2011	<i>Saltwell</i> (die shrink)	16 (20 with prediction miss)	2130	
	<i>Sandy Bridge</i>	14 (16 with fetch/retire)	4000	
2012	<i>Ivy Bridge</i> (die shrink)	14 (16 with fetch/retire)	4100	
2013	<i>Silvermont</i>	14-17 (16-19 with fetch/retire)	2670	22 nm
	<i>Haswell</i>	14 (16 with fetch/retire)	4400	
2014	<i>Broadwell</i> (die shrink)	14 (16 with fetch/retire)	3700	
	<i>Airmont</i> (die shrink)	14-17 (16-19 with fetch/retire)	2640	
2015	<i>Skylake</i>	14 (16 with fetch/retire)	5200	14 nm
2016	<i>Goldmont</i>	20 unified with branch prediction	2600	
2017	<i>Goldmont Plus</i>	20 unified with branch prediction (?)	2800	
2018	<i>Palm Cove</i>	14 (16 with fetch/retire)	3200	
2019	<i>Sunny Cove</i>	14-20 (misprediction)	4100	10 nm
2020	<i>Tremont</i>	20 unified	3300	
	<i>Willow Cove</i>	14 unified	5300	
	<i>Cypress Cove</i>	14 unified	5300	14 nm
	<i>Golden Cove</i>	12 unified	5500	
2021	<i>Gracemont</i>	20 unified with misprediction penalty	4300	Intel 7
2022	<i>Raptor Cove</i>	12 unified	6000	
2023	<i>Redwood Cove</i>			Intel 4
	<i>Crestmont</i>			

**Note: Atom/Power efficient microarchitectures are in *Italic***

## Roadmap

### Pentium 4 / Core roadmap

Fabrication process]]	Micro-architecture	Code names	Core generation	Xeon Scalable generation	Release date	Processors				
						Desktop	Mobile	Enthusiast /WS	2P Server/WS	4P/8P Server

180 nm		Willamette			2000-11-20	Willamette	-		Foster	Foster MP
130 nm		Northwood/ Mobile Pentium 4 Banias			2002-01-07	Northwood	Northwood Mobile Banias	Northwood-XE	Prestonia Gallatin	Gallatin
90 nm	P6, NetBurst	Prescott Dothan			2004-02-01	Prescott Smithfield	Dothan	Prescott 2M- XE Smithfield-XE	Nocona Irwindale Paxville	Potomac Cranford Paxville
65 nm		Cedar Mill Yonah Presler	Core (Yonah only)		2006-01-05	Cedar Mill Presler	Yonah	Presler-XE	Dempsey Sossaman	Tulsa
	Core	Merom	Core 2		2006-07-27	Conroe	Merom	Kentsfield	Woodcrest Clovertown	Tigerton
45 nm		Penryn	Core 2		2007-11-11	Wolfdale	Penryn	Yorkfield	Harpertown	Dunnington
	Nehalem	Nehalem Westmere	Previous (Core i)		2008-11-17	Lynnfield	Clarksfield	Bloomfield	Gainestown	Beckton
					2010-01-04	Clarkdale	Arrandale	Gulftown	Westmere-EP	Westmere-EX
32 nm		Sandy Bridge	2 (Core i)		2011-01-09	Sandy Bridge	Sandy Bridge-M	Sandy Bridge- E	Sandy Bridge-EP	-
	Sandy Bridge	Ivy Bridge	3		2012-04-29	Ivy Bridge	Ivy Bridge-M	Ivy Bridge-E	Ivy Bridge-EP	Ivy Bridge-EX
22 nm		Haswell	4		2013-06-02	Haswell-DT	Haswell-MB Haswell-H Haswell-ULP/ULX	Haswell-E	Haswell-EP	Haswell-EX
	Haswell	Devil's Canyon			2014-06	Haswell-DT				
		Broadwell	5		2014-09-05	Broadwell-DT	Broadwell-H Broadwell-U Broadwell-Y	Broadwell-E	Broadwell-EP	Broadwell-EX
		Skylake	6	1	2015-08-05	Skylake-S	Skylake-H Skylake-U Skylake-Y	Skylake-X Skylake-W	Skylake-SP (formerly Skylake-EP/-EX)	
		Kaby Lake	7 / 8		2016-10	Kaby Lake-S	Kaby Lake-G Kaby Lake-H Kaby Lake-U Kaby Lake-Y	Kaby Lake-X <ref name=«auto» />		
		Coffee Lake	8 / 9		2017-10	Coffee Lake- S	Coffee Lake-B Coffee Lake-H Coffee Lake-U	Coffee Lake- W		
14 nm		Whiske Lake Amber Lake	8 8 / 10		2018-08-28	-	Whiskey Lake-U Amber Lake-Y			
	Skylake	Cascade Lake	-	2	2019-04-02			Cascade Lake-X Cascade Lake-W Cascade Lake-SP	Cascade Lake-SP	
		Comet Lake	10	-	2019-09	Comet Lake- S	Comet Lake-H Comet Lake-U	Comet Lake- W		
		Cooper Lake	-	3	2020-06					Cooper Lake- SP
	Cypress Cove	Rocket Lake	11	-	2021-03	Rocket Lake- S		Rocket Lake		
	Palm Cove	Cannon Lake	8	-	2018-05		Cannon Lake-U			
10 nm	Sunny Cove	Ice Lake	10	3	2019-09 (mobile) 2021-04 (server)		Ice Lake-U	Ice Lake-W	Ice Lake-SP	
	Willow Cove	Tiger Lake	11		2020-09		Tiger Lake-H Tiger Lake-H35 Tiger Lake-UP3 Tiger Lake-UP4			
		Alder Lake (hybrid)	12		2021-11-04	Alder Lake-S	Alder Lake-H Alder Lake-P Alder Lake-U			
	Golden Cove	Sapphire Rapids	-	4	2023-01-10			Sapphire Rapids-WS	Sapphire Rapids-SP	
Intel 7		Raptor Lake	13 / 14	-	2022-10-20	Raptor Lake- S	Raptor Lake-HX Raptor Lake-H Raptor Lake-P Raptor Lake-U			
	Raptor Cove	Emerald Rapids	-	5	2023-12-14			TBA	Emerald Rapids-SP	
Intel 4	Redwood Cove	Meteor Lake	Core Ultra Series 1	-	2023-12-14	N/A	Meteor Lake-H Meteor Lake-U			

Intel 3		Granite Rapids	-	6	2024	-	TBA	Granite Rapids-SP
Intel 20A	TBA	Arrow Lake			2024		TBA	
		Lunar Lake	Core Ultra	-	2024	N/A	TBA	
Intel 18A		Panther Lake			2025		TBA	

Fabrication process	Micro-architecture	Code names	Core generation	Xeon Scalable generation	Release date	Desktop	Mobile	Enthusiast /WS	2P Server/WS	4P/8P Server
						Processors				

## Atom lines

[https://en.wikipedia.org/wiki/List\\_of\\_Intel\\_Atom\\_processors](https://en.wikipedia.org/wiki/List_of_Intel_Atom_processors)

### Atom roadmap

Fabrication process	Micro-architecture	Release date	Processors/SoCs								
			Mobile Internet device MID, smartphone	Tablet	Netbook	Nettop	Embedded	Server	Communication	Consumer Electronics, CE	
45 nm	Bonnell	2008	Silverthorne	-		Diamondville		Tunnel Creek, Stellarton	-	-	Sodaville
		2010	Lincroft		Pineview						Groveland
32 nm	Saltwell	2011	Medfield (Penwell & Lexington), Clover Trail+ (Cloverview)	Clover Trail (Cloverview)	Cedar Trail (Cedarview)				Centerton & Briarwood	-	Berryville
			2013	Merrifield (Tangier)	Bay Trail-T (Valleyview)	Bay Trail-M (Valleyview)	Bay Trail-D (Valleyview)	Bay Trail-I (Valleyview)	Avoton	Rangeley	-
22 nm	Silvermont	2014	Binghamton & Riverton	Cherry Trail-T (Cherryview)		Braswell		Denverton	-	-	
	Airmont										
14 nm	Goldmont	2016	Broxton	Willow Trail Apollo Lake		Apollo Lake		Denverton	-	-	
	Goldmont Plus	2017	-	-		Gemini Lake		-	-	-	
10 nm	Tremont	2020	-	Lakefield (hybrid)		Lakefield (hybrid)		Jacobsville Parker Ridge	-	-	
Intel 7	Gracemont	2021	-	-		Alder Lake (hybrid)		-	-	-	
Intel 4	Crestmont	2023	-	-		Meteor Lake (hybrid)		Grand Ridge	-	-	
Intel 3	Crestmont	2024	-	-		-		Sierra Forest-AP	-	-	
Intel 20A	Skymont	2024	-	-		Arrow Lake (hybrid)		-	-	-	
Intel 18A	Darkmont	2025	-	-		-		Clearwater Forest-AP	-	-	

## Tremont-Embedded-Elkhart Lake

List of embedded processors as follows: [Products formerly Elkhart Lake](#)

Part Name	RCP, \$	Price	Cores (threads)	TDP	Processor branding & model	TA	PSE	IHS	IBEC	TCC	Target segment	GPU model	CPU clock rate base	CPU clock rate turbo	Graphics clock rate base	Graphics clock rate turbo	Memory	Ordering Code
J6413	64	66.4	4	10 W	Celeron	0...70	+	-	-	-	PC Client	UHD Graphics	16 EU 1.8 GHz	3.0 GHz	400 MHz	800 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	DC8070304190822
J6412	64	57.8	4	10 W	Celeron	0...70	-	-	-	-	PC Client	UHD Graphics	16 EU 2.0 GHz	2.6 GHz	400 MHz	800 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	DC8070304190881
J6426	96		4	10 W	Pentium	0...70	+	-	-	-	PC Client	UHD Graphics	32 EU 1.8 GHz	3.0 GHz	400 MHz	850 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	DC8070304190882

Part Name	RCP,\$	Price	Cores (threads)	TDP	Processor branding & model	TA	PSE	IHS	IBECC	TCC	Target segment	GPU model	CPU clock rate base	CPU clock rate turbo	Graphics clock rate base	Graphics clock rate turbo	Memory	Ordering Code	
N6211	64		2	6.5 W	Celeron	0...70	+	-	-	-	PC Client	UHD Graphics	16 EU	1.2 GHz	3.0 GHz	250 MHz	750 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	DC8070304190819
N6210	64	52	2	6.5 W	Celeron	0...70	-	-	-	-	PC/Client/Tablet	UHD Graphics	16 EU	1.2 GHz	2.6 GHz	250 MHz	750 MHz	4 x LPDDR4X-3200 2 x DDR4-3200	DC8070304190883
N6415	96	102.5	4	6.5 W	Pentium	0...70	+	-	-	-	PC Client	UHD Graphics	16 EU	1.2 GHz	3.0 GHz	350 MHz	800 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	DC8070304190820
x6211E	42	66.5	2	6 W	Atom	-40...85	+	+	+	-	Embedded	UHD Graphics	16 EU	1.2 GHz	3.0 GHz	350 MHz	750 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304243807
x6413E	51	75	4	9 W	Atom	-40...85	+	+	+	-	Embedded	UHD Graphics	16 EU	1.5 GHz	3.0 GHz	500 MHz	750 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304243865
x6425E	67	99.7	4	12 W	Atom	-40...85	+	+	+	-	Embedded	UHD Graphics	32 EU	1.8 GHz	3.0 GHz	500 MHz	750 MHz	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304243808
x6212RE	45		2	6 W	Atom	-40...85	+	+	+	+	Industrial	UHD Graphics	16 EU	1.2 GHz	-	350 MHz	-	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304243808
x6214RE	47		2	6 W	Atom	-40...85	+	+	+	+	Industrial	UHD Graphics	16 EU	1.4 GHz	-	400 MHz	-	4 x LPDDR4X-3200 2 x DDR4-3200	FH8070304289531
x6414RE	55		4	9 W	Atom	-40...85	+	+	+	+	Industrial	UHD Graphics	16 EU	1.5 GHz	-	400 MHz	-	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304289591
x6416RE	63		4	9 W	Atom	-40...85	+	+	+	+	Industrial	UHD Graphics	16 EU	1.7 GHz	-	450 MHz	-	4 x LPDDR4X-3200 2 x DDR4-3200	FH8070304289532
x6425RE	71		4	12 W	Atom	-40...85	+	+	+	+	Industrial	UHD Graphics	32 EU	1.9 GHz	-	400 MHz	-	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304289558
x6427FE	83		4	12 W	Atom	-40...85	+	+	+	+	FuSa Industrial	UHD Graphics	32 EU	1.9 GHz	-	400 MHz	-	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304289690
x6200FE	45		2	4.5 W	Atom	-40...85	+	+	+	+	FuSa Industrial	-	-	1.0 GHz	-	-	-	4 x LPDDR4X-4267 2 x DDR4-3200	FH8070304289582

## Motherboards

[supermicro](#) [x13dai-t](#) [page](#) [datasheet](#)

## Desktop processors

Codename	Desktop Name	Socket Name	Gen
SKL	<a href="#">Sky Lake</a>	LGA 1151 LGA 2066 LGA 3647	6
KBL	<a href="#">Kaby Lake</a>	LGA 1151 LGA 2066	7
CFL	<a href="#">Coffe Lake</a>	LGA 1151	8
CFL	<a href="#">Coffe Lake Refresh</a>	LGA 1151	9
CML	<a href="#">Comet Lake</a>	LGA 1200	10
RKL	<a href="#">Rocket Lake</a>	LGA 1200	11
ADL	<a href="#">Alder Lake</a>	LGA 1700	12
RPL	<a href="#">Raptor Lake</a>	LGA 1700	13
MTL	<a href="#">Meteor Lake</a>		

## PCH

PCH Name	Chipset Series		
Ibex Peak	5	Lynnfield and Clarkdale	<a href="https://en.wikipedia.org/wiki/Intel_5_Series">https://en.wikipedia.org/wiki/Intel_5_Series</a>
Cougar Point	6	Sandy Bridge	<a href="https://en.wikipedia.org/wiki/LGA_1155#Sandy_Bridge_family_of_chipsets">https://en.wikipedia.org/wiki/LGA_1155#Sandy_Bridge_family_of_chipsets</a>
Panther Point	7	Ivy Bridge	<a href="https://en.wikipedia.org/wiki/LGA_1155#Ivy_Bridge_family_of_chipsets">https://en.wikipedia.org/wiki/LGA_1155#Ivy_Bridge_family_of_chipsets</a>
Lynx Point	8/9	Haswell / Broadwell	<a href="https://en.wikipedia.org/wiki/LGA_1150#Haswell_chipsets">https://en.wikipedia.org/wiki/LGA_1150#Haswell_chipsets</a>
Sunrise Point	100	Sky Lake	<a href="https://en.wikipedia.org/wiki/LGA_1151#Skylake_chipsets_(100_series)">https://en.wikipedia.org/wiki/LGA_1151#Skylake_chipsets_(100_series)</a>
Union Point	200	Kaby Lake	<a href="https://en.wikipedia.org/wiki/LGA_1151#Kaby_Lake_chipsets_(200_series)">https://en.wikipedia.org/wiki/LGA_1151#Kaby_Lake_chipsets_(200_series)</a>
Cannon Point	300	Coffee Lake	<a href="https://en.wikipedia.org/wiki/LGA_1151#Coffee_Lake_chipsets_(300_series_and_C240_series)">https://en.wikipedia.org/wiki/LGA_1151#Coffee_Lake_chipsets_(300_series_and_C240_series)</a>
	400	Comet Lake	<a href="https://en.wikipedia.org/wiki/LGA_1200#Comet_Lake_chipsets_(400_series)">https://en.wikipedia.org/wiki/LGA_1200#Comet_Lake_chipsets_(400_series)</a>
	500	Rocket Lake	<a href="https://en.wikipedia.org/wiki/LGA_1200#Rocket_Lake_chipsets_(500_series)">https://en.wikipedia.org/wiki/LGA_1200#Rocket_Lake_chipsets_(500_series)</a>
	600	Alder Lake	<a href="https://en.wikipedia.org/wiki/LGA_1700#Alder_Lake_chipsets_(600_series)">https://en.wikipedia.org/wiki/LGA_1700#Alder_Lake_chipsets_(600_series)</a>
	700	Raptor Lake	<a href="https://en.wikipedia.org/wiki/LGA_1700#Raptor_Lake_chipsets_(700_series)">https://en.wikipedia.org/wiki/LGA_1700#Raptor_Lake_chipsets_(700_series)</a>

## Embedded controller

<https://github.com/intel/ecfw-zephyr>

## BIOS

<https://www.sentinelone.com/labs/moving-from-common-sense-knowledge-about-uefi-to-actually-dumping-uefi-firmware/>

<https://malware.news/t/moving-from-manual-reverse-engineering-of-uefi-modules-to-dynamic-emulation-of-uefi-firmware/43799>

<https://edk2-docs.gitbook.io/edk-ii-uefi-driver-writer-s-guide/>

<https://github.com/LongSoft/UEFITool>

[https://github.com/LongSoft/UEFITool/blob/new\\_engine/common/guids.csv](https://github.com/LongSoft/UEFITool/blob/new_engine/common/guids.csv)

<https://github.com/theopolis/uefi-firmware-parser>

<https://github.com/erocarrera/pefile>

[https://formats.kaitai.io/uefi\\_te/python.html](https://formats.kaitai.io/uefi_te/python.html)

<https://github.com/intel/FSP>

## ME

<https://github.com/platomav/MEAnalyzer/>

<https://comsystem-tlt.ru/obzori/me-txe-region>

<https://winraid.level1techs.com/t/intel-cs-management-engine-drivers-firmware-and-tools-2-15/30719>

## DEBUG

<https://github.com/ptresearch/IntelTXE-PoC/blob/master/README.md>

<http://standa-note.blogspot.com/2021/03/debugging-system-with-dci-and-windbg.html>

## APIC

<https://wiki.osdev.org/APIC>

Intel® 64 and IA-32 Architectures Software Developer's Manual

<a href="#">Volume 1: Basic Architecture</a>
<a href="#">Volume 2A: Instruction Set Reference, A-L</a>
<a href="#">Volume 2B: Instruction Set Reference, M-U</a>
<a href="#">Volume 2C: Instruction Set Reference, V</a>
<a href="#">Volume 2D: Instruction Set Reference, W-Z</a>
<a href="#">Volume 3A: System Programming Guide, Part 1</a>
<a href="#">Volume 3B: System Programming Guide, Part 2</a>
<a href="#">Volume 3C: System Programming Guide, Part 3</a>
<a href="#">Volume 3D: System Programming Guide, Part 4</a>
<a href="#">Volume 4: Model-Specific Registers</a>

[MultiProcessor Specification](#)

## Acronyms

<https://doc.coreboot.org/acronyms.html>

ACM	Authenticated Code Modules		<a href="https://doc.coreboot.org/security/intel/acm.html">https://doc.coreboot.org/security/intel/acm.html</a>
ACPI	Advanced Configuration and Power Interface		<a href="https://en.wikipedia.org/wiki/ACPI">https://en.wikipedia.org/wiki/ACPI</a>
AL	After life	UEFI boot phase	
AMT	Active Management Technology		<a href="https://en.wikipedia.org/wiki/Intel_Active_Management_Technology">https://en.wikipedia.org/wiki/Intel_Active_Management_Technology</a>

APIC	Advanced Programmable Interrupt Controller		<a href="https://en.wikipedia.org/wiki/Advanced_Programmable_Interrupt_Controller">https://en.wikipedia.org/wiki/Advanced_Programmable_Interrupt_Controller</a>
ARM	Advanced RISC Machines		<a href="https://en.wikipedia.org/wiki/ARM_architecture_family">https://en.wikipedia.org/wiki/ARM_architecture_family</a>
BDS	Boot Device Selection	UEFI boot phase	
BFV	Boot Firmware Volume	UEFI	
BIOS	Basic Input/Output System		<a href="https://en.wikipedia.org/wiki/BIOS">https://en.wikipedia.org/wiki/BIOS</a>
BKC	Best Known Configuration		
BMC	Baseboard management controller		<a href="https://en.wikipedia.org/wiki/Intelligent_Platform_Management_Interface#Baseboard_management_controller">https://en.wikipedia.org/wiki/Intelligent_Platform_Management_Interface#Baseboard_management_controller</a>
BTX	Balanced Technology Extended Interface	intel	
CAR	Cache-as-RAM		
CBFS	coreboot file system	coreboot	
CCT	Intel® Clock Commander	Tool found in BKC Intel® CSME kit	
CDI			
CPU	Central processing unit		<a href="https://en.wikipedia.org/wiki/Central_processing_unit">https://en.wikipedia.org/wiki/Central_processing_unit</a>
CSME	Converged Security and Management Engine	intel	
DMI	Direct Media Interface	intel	<a href="https://en.wikipedia.org/wiki/Direct_Media_Interface">https://en.wikipedia.org/wiki/Direct_Media_Interface</a>
DTS	digital thermal sensors		
DXE	The Driver Execution Environment	UEFI boot phase	
EC	Embedded controller		<a href="https://en.wikipedia.org/wiki/Embedded_controller">https://en.wikipedia.org/wiki/Embedded_controller</a>
EOP	End-of-POST	Message	
FDI	Flexible Display Interface	intel	<a href="https://en.wikipedia.org/wiki/Flexible_Display_Interface">https://en.wikipedia.org/wiki/Flexible_Display_Interface</a>
FFS	Firmware File System	UEFI	
FIT	Intel® Flash Image Tool	intel	
FV	firmware volume	UEFI	
GOP			
GUID	Globally Unique Identifier		
HECI	Host Embedded Controller Interface		<a href="https://en.wikipedia.org/wiki/Host_Embedded_Controller_Interface">https://en.wikipedia.org/wiki/Host_Embedded_Controller_Interface</a>
HID	Human interface device		<a href="https://en.wikipedia.org/wiki/Human_interface_device">https://en.wikipedia.org/wiki/Human_interface_device</a>
HLK		intel HLK Validation	
HOB	Hand-Off Block		
HSIO	High Speed Input/Output		
IBB	Initial Boot Block	coreboot	<a href="https://doc.coreboot.org/security/intel/txt_ibt.html">https://doc.coreboot.org/security/intel/txt_ibt.html</a>
ICH	I/O Controller Hub		<a href="https://en.wikipedia.org/wiki/I/O_Controller_Hub">https://en.wikipedia.org/wiki/I/O_Controller_Hub</a>

ILM	Independent Loading Mechanism	intel mb	
IOC	Intel Online Connect		
IPC	Instructions per cycle		<a href="https://en.wikipedia.org/wiki/Instructions_per_cycle">https://en.wikipedia.org/wiki/Instructions_per_cycle</a>
IRQ	Interrupt request		<a href="https://en.wikipedia.org/wiki/Interrupt_request_(PC_architecture)">https://en.wikipedia.org/wiki/Interrupt_request_(PC_architecture)</a>
ITSS	interrupt and timer subsystem		
KOZ	Keepout Zones	intel mb	
KSC			
ME	Intel Management Engine		<a href="https://en.wikipedia.org/wiki/Intel_Management_Engine">https://en.wikipedia.org/wiki/Intel_Management_Engine</a>
MIPS	Microprocessor without Interlocked Pipelined Stages		<a href="https://en.wikipedia.org/wiki/MIPS_architecture">https://en.wikipedia.org/wiki/MIPS_architecture</a>
MMU	Memory management unit		<a href="https://en.wikipedia.org/wiki/Memory_management_unit">https://en.wikipedia.org/wiki/Memory_management_unit</a>
OPI	On Package DMI interconnect Interface		
PCH	Platform Controller Hub		<a href="https://en.wikipedia.org/wiki/Platform_Controller_Hub">https://en.wikipedia.org/wiki/Platform_Controller_Hub</a>
PCL	Platform Component List	intel	
PCT	Intel® Platform Configuration Tool		
PD	Power Delivery		
PE	Portable Executable	file format	
PECI	Platform Environment Control Interface		<a href="https://en.wikipedia.org/wiki/Platform_Environment_Control_Interface">https://en.wikipedia.org/wiki/Platform_Environment_Control_Interface</a>
PEI	The Pre-EFI Initialization	UEFI boot phase	
PEIM	Pre-EFI Initialization Module	UEFI	
PFAT			
PMC	Power Management Controller	intel	
PPI	PEIM-to-PEIM Interface	UEFI	
PV	Production Version		
RT	runtime	UEFI boot phase	
SCH	System Controller Hub		<a href="https://en.wikipedia.org/wiki/System_Controller_Hub">https://en.wikipedia.org/wiki/System_Controller_Hub</a>
SEC	Security phase		
SKU	Stock Keeping Unit	common	
SPI	Serial Peripheral Interface	common	<a href="https://en.wikipedia.org/wiki/Serial_Peripheral_Interface">https://en.wikipedia.org/wiki/Serial_Peripheral_Interface</a>
TE	Terse Executable	UEFI file format is a stripped-down version of the PE format	<a href="https://uefi.org/sites/default/files/resources/PI_Spec_1_6.pdf">https://uefi.org/sites/default/files/resources/PI_Spec_1_6.pdf</a>
TPM	Trusted Platform Module		

TSL	Transient System Load	UEFI boot phase	
TXT	Intel Trusted Execution Technology		<a href="https://doc.coreboot.org/security/intel/txt.html">https://doc.coreboot.org/security/intel/txt.html</a>
UEFI	Unified Extensible Firmware Interface		<a href="https://en.wikipedia.org/wiki/UEFI">https://en.wikipedia.org/wiki/UEFI</a>
VIP	Intel® Validation Internet Portal		

[bios](#), [x86](#), [uefi](#), [fsp](#), [apic](#)