

Intel CPU Transition

		2008				2009				2010				2011			2012		2013
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	2H			
Server & Workstation	Expandable Server	Core Microarchitecture (Core MA)				Nehalem Microarchitecture				Westmere-EX 10-Core, DDR3, QPI			Ivy Bridge-EX-A ?-Core, ?MB L3, ?MB L3		Brickland-EX Platform				
	DP Server & Workstation	Xeon 54xx (Harpertown) 4-Core, 12MB	Nehalem Microarchitecture				Westmere-EP 6-Core, 12MB L3, 3ch DDR3, QPI				Sandy Bridge-EP 4/6/8-Core, 20MB L3, 4ch DDR3, 2 QPI, 40 PCIe3		Romley-EP Platform Patsburg PCH, Socket R		Ivy Bridge-EP ?-Core, ?MB L3, 4ch DDR3, 2 QPI				
	Entry UP Server & Workstation	Xeon X3xxx (Yorkfield) 4-Core, 6/12MB	Nehalem Microarchitecture				Clarkdale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-DT 4-Core, GPU, 6MB L3, 2ch DDR3, 20 PCIe2		Bromolow Platform Cougar Point PCH, Socket H2		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
Desktop PC	Extreme & Performance Desktop	Core 2 Extreme (Yorkfield) 4-Core, 12MB	Nehalem Microarchitecture				Gulftown 6-Core, 12MB L3, 3ch DDR3, QPI				Sandy Bridge 6/8-Core, 15/20MB L3, 3ch DDR3		Sandy Bridge Microarchitecture						
	Mainstream Desktop	Core 2 Duo (Wolffield) 2-Core, 3/6MB	Nehalem Microarchitecture				Clarkdale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-DT 4-Core, GPU, 6MB L3, 2ch DDR3, PCIe2		Sugar Bay Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	Value Desktop	Pentium E2xxx (Conroe) 2-Core, 1MB	Nehalem Microarchitecture				Clarkdale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-DT 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Sugar Bay Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
		Celeron E1xxx (Conroe) 2-Core, 512KB	Nehalem Microarchitecture				Clarkdale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-DT 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Sugar Bay Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	Nettop	Atom N2xx (Diamondville) 1-Core, 512KB	Bonnell Microarchitecture				Atom (Pineview) 2-Core GPU Core				Atom (Pineview) 1-Core GPU Core								
Notebook PC	Extreme & Performance Notebook	Core 2 Duo (Penryn) 2-Core, 6MB	Nehalem Microarchitecture				Clarkdale 4-Core, 8MB L3, 2ch DDR3, PCIe2				Sandy Bridge-MB 4-Core, GPU, 6MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	Mainstream Notebook	Core 2 Duo (Penryn) 2-Core, 3MB	Nehalem Microarchitecture				Arrandale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	Value Notebook	Celeron T1xxx (Merom-L) 1-Core, 1MB	Nehalem Microarchitecture				Arrandale 2-Core, GPU, 2MB L3, 2ch DDR3, PCIe2				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	LV Notebook	Core 2 Duo (Penryn) 2-Core, 6MB	Nehalem Microarchitecture				Arrandale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	ULV Notebook	Core 2 Duo (Penryn) 2-Core, 3MB	Nehalem Microarchitecture				Arrandale 2-Core, GPU, 4MB L3, 2ch DDR3, PCIe2				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
		Core 2 Solo (Penryn) 1-Core, 2MB	Core Microarchitecture (Core MA)				Arrandale 2-Core, GPU				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3				
	Celeron 7xx (Penryn) 1-Core, 1MB	Core Microarchitecture (Core MA)				Arrandale 2-Core, GPU				Sandy Bridge-MB 2-Core, GPU, 3MB L3, 2ch DDR3, PCIe2		Huron River Platform Cougar Point PCH		Ivy Bridge ?-Core, GPU, ?MB L3, 2ch DDR3					
	Atom N2xx (Diamondville) 1-Core, 512KB	Bonnell Microarchitecture				Atom (Pineview) 1-Core GPU Core													

1-core
2-core
4-core
6-core
>=8-core
65nm Core 2
45nm Core 2
45nm Nehalem
45nm Atom
32nm Nehalem
32nm Bridge
22nm Bridge