

Intel Desktop CPU (2007-2008)

Brand	Core 2 Duo		Core 2 Quad		Core 2 Extreme				
Processor #	E4xxx?	E8xxx	Q9300	Q9550/9450	QX9650	QX9770	QX9775		
Codename	Wolfdale 3M	Wolfdale	Yorkfield		Yorkfield XE	Yorkfield XE 1600 FSB		Bloomfield	Gainestown
Micro-architecture	Core MA(Penryn)				Core MA(Penryn)			Nehalem	
# of Core	Dual Core		Quad Core		Quad Core			Quad Core	Quad Core
# of Thread	2		4		4			8	8
Hyper-Threading	N/A				N/A			2 threads	
Dual-Processor	N/A				N/A		DP	N/A	DP
Intel 64	Intel 64				Intel 64			Intel 64	
VT	N/A	VT			VT			Extended VT-x/d	
Trusted Execution Tech	TXT				N/A				
EIST(SpeedStep)	EIST				EIST				
Cache	3MB L2	6MB L2	2x3MB L2	2x6MB L2	2x6MB L2			8MB L?	
FSB	FSB1067	FSB1333			FSB1333	FSB1600		QPI 1 link	QPI 2 link
Memory interface	N/A				N/A			DDR3 800/1067/1333	
Package	LGA775				LGA775		LGA771	LGA1366	
Process Technology	45nm				45nm			45nm	
# of Die	1		2		2			1	
TDP	65W		95W		130W	136W	150W	130W	

Brand	Core 2 Duo					Core 2 Quad	Core 2 Extreme		
Processor #	E4xxx	E6300/6400	E6x20	E6x0x	E6x50	Q6xxx	X6xxx	QX6xxx	QX6x50
Codename	Conroe					Kentsfield	Conroe XE	Kentsfield	
Micro-architecture	Core MA					Core MA			
# of Core	Dual Core					Quad Core	Dual Core	Quad Core	
# of Thread	2					4	2	4	
Hyper-Threading	N/A					N/A			
Dual-Processor	N/A					N/A			
Intel 64	Intel 64					Intel 64			
VT	N/A	VT				VT			
Trusted Execution Tech	N/A					TXT	N/A		
EIST(SpeedStep)	EIST					EIST			
Cache	2MB L2	2MB L2	4MB L2			4MBx2=8MB L2	4MB L2	4MBx2=8MB L2	
FSB	FSB800	FSB1067			FSB1333	FSB1067			FSB1333
Memory interface	N/A					N/A			
Package	LGA775					LGA775			
Process Technology	65nm					65nm			
# of Die	1					2	1	2	
TDP	65W					95-105W	75W	130W	

Brand	Celeron(Integrated Board)	Celeron	Celeron DC	Pentium DC
Processor #	2x5	2x0	4xx	E12xx
Codename	Yonah SC	Conroe-L		Conroe
Micro-architecture	Yonah	Core MA		
# of Core	Single Core		Dual Core	
# of Thread	1		2	
Hyper-Threading	N/A			
Dual-Processor	N/A			
Intel 64	N/A	Intel 64		
VT	N/A			
Trusted Execution Tech	N/A			
EIST(SpeedStep)	N/A		EIST	
Cache	512KB			1MB L2
FSB	FSB533	FSB800		
Memory interface	N/A			
Package	LGA775			
Process Technology	65nm			
# of Die	1			
TDP	27W	19W	35W	65W

