

# Intel Desktop CPU (2005-2008)

Brand	Celeron	Pentium DC	Core 2 Duo				Core 2 Quad	Core 2 Extreme			
Processor #	4xx	E21xx	E4xxx	E6300/6400	E6xxx	E6x50	Q6xxx	X6xxx	QX6xxx		
Codename	Conroe-L	Conroe 1M	Conroe				Kentsfield	Conroe XE	Kentsfield	Wolfdale	Yorkfield
Micro-architecture	Core MA	Core MA	Core MA				Core MA			Core MA(Penryn)	
# of Core	Single Core	Dual Core					Quad Core	Dual Core	Quad Core	Dual Core	Quad Core
# of Thread	1	2					4	2	4	2	4
Hyper-Threading	N/A	N/A	N/A				N/A			N/A?	
Intel 64	Intel 64	Intel 64	Intel 64				Intel 64			Intel 64	
VT	N/A	N/A	N/A	VT			VT			VT	
vPro	N/A	N/A	N/A	2006		2007	N/A			2007?	
Trusted Execution Tech	N/A	N/A	N/A			TXT	N/A			TXT	
EIST(SpeedStep)	N/A	EIST					EIST			EIST	
XD Bit	XD Bit?	XD Bit	XD Bit				XD Bit			XD Bit	
Cache	512KB	1MB L2	2MB L2	2MB L2	4MB L2		4MBx2=8MB L2	4MB L2	4MBx2=8MB L2	up to 6MB L2	up to 12MB L2
FSB	FSB800	FSB800	FSB800	FSB1067		FSB1333	FSB1067			FSB1333	FSB1067
Package	LGA775	LGA775	LGA775				LGA775			LGA775	
Process Technology	65nm	65nm	65nm				65nm			45nm	
# of Die	1	1	1				2	1	2	1	2

Brand	Pentium D				Pentium 4 Extreme Edition			Pentium Extreme Edition	
Processor #	8xx	830/840	9x5	9x0			840	955	
Codename	Smithfield		Presler		Northwood (Gallatin)		Prescott 2M	Smithfield	Presler
Micro-architecture	NetBurst				NetBurst			NetBurst	
# of Core	Dual Core				Single Core			Dual Core	
# of Thread	2				2			4	
Hyper-Threading	N/A				Hyper-Threading			Hyper-Threading	
Intel 64	Intel 64				N/A	Intel 64	Intel 64		
VT	N/A		VT		N/A		N/A	VT	
vPro	N/A				N/A			N/A	
Trusted Execution Tech	N/A				N/A			N/A	
EIST(SpeedStep)	N/A	EIST(SpeedStep)			N/A		N/A		
XD Bit	XD Bit				N/A	XD Bit	XD Bit		
Cache	1MBx2=2MB L2		2MBx2=4MB L2		2MB L3		2MB L2	1MBx2=2MB L2	2MBx2=4MB L2
FSB	FSB800				FSB800	FSB1067		FSB800	FSB1067
Package	LGA775				LGA775			LGA775	
Process Technology	90nm		65nm		130nm		90nm	90nm	65nm
# of Die	1(2core&2FSB)		2		1			1(2core&2FSB)	2

Brand	Celeron D				Pentium 4					
Processor #	3xx	3xxJ	3x1/3x6	3x2/3x1//36x	524	5xx	5x1	6x0	6x2	6x1
Codename	Prescott-V			Cedar Mill	Prescott			Prescott 2M		Cedar Mill
Micro-architecture	NetBurst				NetBurst					
# of Core	Single Core				Single Core					
# of Thread	1				2					
Hyper-Threading	N/A				Hyper-Threading					
Intel 64	N/A	Intel 64		Intel 64	N/A	Intel 64				
VT	N/A				N/A			VT	N/A	
vPro	N/A				N/A					
Trusted Execution Tech	N/A				N/A					
EIST(SpeedStep)	N/A				N/A			EIST(SpeedStep)		
XD Bit	N/A	XD Bit			N/A	N/A	XD Bit			
Cache	256KB L2		512KB L2		1MB L2			2MB L2		
FSB	FSB533				FSB533	FSB800				
Package	mPGA478	LGA775			LGA775					
Process Technology	90nm			65nm	90nm				65nm	
# of Die	1				1					