

Intel Mobile CPU (2005-2008)

Brand	Core 2 Duo					Core 2 Extreme	Celeron	Core 2 Duo		Core 2 Extreme	
Processor #	T5500	T5600	T7200/7400/7600	T7100/7250	T7x00	X7800/7900	Penryn-L	Penryn 3M	Penryn 6M	Penryn 6M	
Voltage	Nomal V						Nomal V				
Codename	Merom (Napa Refresh)			Merom (Santa Rosa)			Penryn				
Platform	Napa			Santa Rosa			Santa Rosa				
Micro-architecture	Core MA					Core MA					
# of Core	Dual Core					Single Core	Dual Core				
Hyper-Threading	N/A					N/A					
Intel 64	Intel 64					Intel 64					
VT	N/A	VT		VT			VT				
Trusted Execution Tech	N/A						TXT?				
EIST(SpeedStep)	EIST(SpeedStep)					EIST(SpeedStep)					
IDA	N/A			IDA		N/A	N/A	IDA?		N/A	
XD Bit	XD Bit					XD Bit					
Cache	2MB L2		4MB L2		2MB L2		4MB L2		2MB L2	3MB L2	6MB L2
FSB	FSB 667			FSB 667		FSB 800		FSB 800			
Package	PGA/BGA Socket M			PGA/BGA Socket P		PGA Socket P	PGA Socket P	PGA/BGA Socket P		PGA Socket P	
Process Technology	65nm					45nm					
TDP	34W			35W		44W	?	29W?		?	
Launch	Q3'06			Q2'07		Q3'07	Q1'08				

Brand	Celeron M		Celeron	Core 2 Solo?	Core 2 Duo			
Processor #	523	520/530	540/550	U2100/2200	U7500/7600	U7500/7600	L7200/7400	L7300/7500/7700
Voltage	ULV	Nomal V		ULV			LV	
Codename	Merom-L	Merom-L	Merom-L	Merom-L	Merom	Merom	Merom	Merom
Platform	Napa	Napa	Santa Rosa	Napa		Santa Rosa	Napa	Santa Rosa
Micro-architecture	Core MA	Core MA		Core MA				
# of Core	Single Core	Single Core		Single Core	Dual Core			
Hyper-Threading	N/A	N/A		N/A				
Intel 64	Intel 64	Intel 64		Intel 64				
VT	N/A	N/A		VT				
Trusted Execution Tech	N/A	N/A		N/A				
EIST(SpeedStep)	N/A	N/A		EIST(SpeedStep)				
IDA	N/A	N/A		N/A	IDA	N/A	IDA	
XD Bit	XD Bit	XD Bit		XD Bit				
Cache	1MB L2	1MB L2		1MB L2	2MB L2		4MB L2	
FSB	FSB533	FSB533		FSB533			FSB 667	FSB 800
Package	PGA Socket M	PGA Socket M	PGA Socket P	BGA Socket M		BGA Socket P	BGA Socket M	BGA Socket P
Process Technology	65nm	65nm		65nm				
TDP	?	30W		?	10W		17W	
Launch	Q3'07	Q1'07	Q3'07	Q3'07	Q2'07	Q3'07	Q1'07	Q2'07

Brand	Celeron M		Core Solo	Core Duo		Core Solo	Core Duo	Core Duo
Processor #	4x3	4x0	U1xxx	U2xxx	L2xxx	T1xxx	T2300E	T2xxx
Voltage	ULV	Nomal V	ULV		LV	Nomal V		
Codename	Yonah SC		Yonah SC	Yonah DC		Yonah SC	Yonah DC	
Micro-architecture	Yonah		Yonah					
# of Core	Single Core		Single Core	Dual Core		Single Core	Dual Core	
Hyper-Threading	N/A		N/A					
Intel 64	N/A		N/A					
VT	N/A		VT	VT		N/A	VT	
EIST(SpeedStep)	N/A		EIST(SpeedStep)					
XD Bit	XD Bit		XD Bit					
Cache	1MB L2		2MB L2					
FSB	FSB533		FSB533		FSB 667			
Package	PGA		BGA			PGA&BGA		
Process Technology	65nm		65nm					
TDP	5.5W	27W	5.5W	9W	15W	27W	31W	31W
Launch	Q2'06	Q2'06	Q2'06	Q3'06	Q1'06	Q1'06	Q1'06	Q1'06

Brand	Celeron M				Pentium M				
Processor #	353	373	383/393	3x0	7x3	7x8	7x5	7x0	
Voltage	ULV		Nomal V		ULV	LV	Nomal V		
Codename	Dothan				Dothan			Dothan 533	
Micro-architecture	Baniyas/Dothan				Baniyas/Dothan				
# of Core	Single Core				Single Core				
Hyper-Threading	N/A				N/A				
Intel 64	N/A				N/A				
VT	N/A				N/A				
EIST(SpeedStep)	N/A				EIST(SpeedStep)				
XD Bit	N/A	XD Bit		N/A	XD Bit	N/A	XD Bit	N/A	XD Bit
Cache	512KB		1MB L2		2MB L2				
FSB	FSB 400				FSB 400			FSB533	
Package	mFCBGA479	mFCPGA478/mFCBGA479			mFCBGA479		mFCPGA478/mFCBGA479		
Process Technology	90nm				90nm				
TDP	5W	5.5W		21W	5W	5.5W	10W	21W	27W

