

Intel Mobile CPU (2005-2007)

Brand	Core 2 Duo								
Processor #	T5500	T5600	T7200/7400/7600	T5500	T7000	T7300/7500/7700	Penryn-L	Penryn 3M	Penryn 6M
Voltage	Nomal V						Nomal V		
Codename	Merom (Napa Refresh)			Merom (Santa Rosa)			Penryn		
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		N/A	VT		VT?		
EIST(SpeedStep)	EIST(SpeedStep)						EIST(SpeedStep)		
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 1067	
Package	PGA/BGA Socket M			PGA/BGA Socket P			PGA/BGA Socket P		
Process Technology	65nm						45nm		
TDP	34W			35W			?	29W?	
Launch	Q3'06			Q2'07			Q4'07		

Brand	Celeron M		Core 2 Duo			
Processor #	5xx	?	U7500	U7500	L7200/7400	L7300/7500
Voltage	Nomal V		ULV		LV	
Codename	Merom	Merom (SR)	Merom	Merom (SR)	Merom	Merom (SR)
Micro-architecture	Core MA		Core MA			
# of Core	1		Dual Core			
Hyper-Threading	N/A		N/A			
Intel 64	Intel 64		Intel 64			
VT	N/A		VT			
EIST(SpeedStep)	N/A		EIST(SpeedStep)			
XD Bit	XD Bit		XD Bit			
Cache	1MB L2		2MB L2		4MB L2	
FSB	FSB533		FSB533		FSB 667	FSB 800
Package	PGA Socket M	PGA Socket P	BGA Socket M	BGA Socket P	BGA Socket M	BGA Socket P
Process Technology	65nm		65nm			
TDP	30W		10W		17W	
Launch	Q1'07	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