Application Note

MCP Chipsets
Intel CPU AVL

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Prepared and Provided Under NDA

July 30, 2008 | DA-04084-001_v02

Document Change History

Version	Date	Responsible	Reason for Change
01	July 18, 2008	SRama DValen	Initial release
02	July 30, 2008	SRama SMahre	• Added processor brand names • Dropped CPUs below Prescott 520 • Dropped 965XE, 955XE, 840XE and 3.73 EE from AVL

Device Compatibility Overview

This document lists the Intel CPUs fully supported by NVIDIA® MCP chipsets (Table 1).

Yorkfield CPUs are not supported by NVIDIA's GeForce® 7050/NVIDIA nForce® 610 (MCP73V) and GeForce7050/NVIDIA nForce 620 (MCP73VE) SKUs.

Table 1. Supported CPUs

Family	Process	Brand	CPU Number	FSB (MHz)	Core (GHz)	MCP73	C55	C72	C73	MCP7A
Yorkfield	45 nm	Core2Extreme	QX9770	1600	3.2				✓	
			QX9650	1333	3		✓	✓	✓	✓
		Core2Quad	Q9650	1333	3	✓*	✓	✓	✓	✓
			Q9550	1333	2.83	✓*	✓	✓	✓	✓
			Q9400	1333	2.66	✓*	✓	✓	✓	✓
			Q9300	1333	2.5	✓*	✓	✓	✓	✓
			Q8200	1333	2.33	✓*	✓	✓	✓	✓
Wolfdale		Core2Duo	E8600	1333	3.33	✓	✓	✓	✓	✓
			E8500	1333	3.16	✓	✓	✓	✓	✓
			E8400	1333	3	✓	✓	✓	✓	✓
			E8300	1333	2.83	✓	✓	✓	✓	✓
			E8200	1333	2.66	✓	✓	✓	✓	✓
			E8190	1333	2.66	✓	✓	✓	✓	✓
			E7300	1333	2.66	✓	✓	✓	✓	✓
			E7200	1066	2.53	✓	✓	✓	✓	✓
		Pentium Dual Core	E5200	800	2.5	✓	✓	✓	✓	✓

Family	Process	Brand	CPU Number	FSB (MHz)	Core (GHz)	MCP73	C55	C72	C73	MCP7A
Kentsfield	65 nm	Core2 Extreme	QX6850	1333	3		✓	✓	✓	✓
			QX6800	1066	3		✓	✓	✓	✓
			QX6700	1066	2.66		✓	✓	✓	✓
		Core2 Quad	Q6700	1066	2.66	✓	✓	✓	✓	✓
			Q6600	1066	2.4	✓	✓	✓	✓	✓
			Q6400	1066	2.13	✓	✓	✓	✓	✓
Conroe		Core2 Extreme	X6800	1066	2.93	✓	✓	✓	✓	✓
		Core2Duo	E6850	1333	3	✓	✓	✓	✓	✓
			E6750	1333	2.66	✓	✓	✓	✓	✓
			E6700	1066	2.66	✓	✓	✓	✓	✓
			E6600	1066	2.4	✓	✓	✓	✓	✓
			E6550	1333	2.33	✓	✓	✓	✓	✓
			E6540	1333	2.33	✓	✓	✓	✓	✓
			E6420	1066	2.13	✓	✓	✓	✓	✓
			E6400	1066	2.13	✓	✓	✓	✓	✓
			E6320	1066	1.86	✓	✓	✓	✓	✓
			E6300	1066	1.86	✓	✓	✓	✓	✓
	65nm		E4700	800	2.6	✓	✓	✓	✓	✓
			E4600	800	2.4	✓	✓	✓	✓	✓
			E4500	800	2.2	✓	✓	✓	✓	✓
			E4400	800	2	✓	✓	✓	✓	✓
			E4300	800	1.8	✓	✓	✓	✓	✓
		Pentium Dual Core	E2220	800	2.4	✓	✓	✓	✓	✓
			E2200	800	2.2	✓	✓	✓	✓	✓
			E2180	800	2	✓	✓	✓	✓	✓
			E2160	800	1.8	✓	✓	✓	✓	✓
			E2140	800	1.6	✓	✓	✓	✓	✓
		Celeron Dual Core	E1400	800	2.0	✓	✓	✓	✓	✓
			E1200	800	1.6	✓	✓	✓	✓	✓
		Celeron	450	800	2.2	✓	✓	✓	✓	✓
			440	800	2.0	✓	✓	✓	✓	✓
			430	800	1.8	✓	✓	✓	✓	✓
			420	800	1.6	✓	✓	✓	✓	✓

Family	Process	Brand	CPU Number	FSB (MHz)	Core (GHz)	MCP73	C55	C72	C73	MCP7A
Presler	65 nm	Pentium D	960	800	3.6	✓	✓	✓	✓	✓
			950	800	3.4	✓	✓	✓	✓	✓
			945	800	3.4	✓	✓	✓	✓	✓
			940	800	3.2	✓	✓	✓	✓	✓
			935	800	3.2	✓	✓	✓	✓	✓
			930	800	3	✓	✓	✓	✓	✓
			925	800	3	✓	✓	✓	✓	✓
			920	800	2.8	✓	✓	✓	✓	✓
			915	800	2.8	✓	✓	✓	✓	✓
Smith Field	90 nm	Pentium D	840	800	3.2	✓	✓	✓	✓	✓
			830	800	3	✓	✓	✓	✓	✓
			820	800	2.8	✓	✓	✓	✓	✓
			805	533	2.66	✓	✓	✓	✓	✓
CedarMill	65 nm	Pentium 4	671	800	3.8	✓	✓	✓	✓	✓
			661	800	3.6	✓	✓	✓	✓	✓
			651	800	3.4	✓	✓	✓	✓	✓
			641	800	3.2	✓	✓	✓	✓	✓
			631	800	3	✓	✓	✓	✓	✓
		Celeron D	365	533	3.6	✓	✓	✓	✓	✓
			360	533	3.46	✓	✓	✓	✓	✓
			356	533	3.33	✓	✓	✓	✓	✓
			352	533	3.2	✓	✓	✓	✓	✓
			347	533	3.06	✓	✓	✓	✓	✓
Irwindale	90 nm	Pentium 4	672	800	3.8	✓	✓	✓	✓	✓
			670	800	3.8	✓	✓	✓	✓	✓
			662	800	3.6	✓	✓	✓	✓	✓
			660	800	3.6	✓	✓	✓	✓	✓
			650	800	3.4	✓	✓	✓	✓	✓
			640	800	3.2	✓	✓	✓	✓	✓
			630	800	3	✓	✓	✓	✓	✓
			620	800	2.8	✓	✓	✓	✓	✓
Prescott	90 nm	Pentium 4	571	800	3.8	✓	✓	✓	✓	✓
			570J	800	3.8	✓	✓	✓	✓	✓
			561	800	3.6	✓	✓	✓	✓	✓
			560J	800	3.6	✓	✓	✓	✓	✓
			560	800	3.6	✓	✓	✓	✓	✓

Family	Process	Brand	CPU Number	FSB (MHz)	Core (GHz)	MCP73	C55	C72	C73	MCP7A
			551	800	3.4	✓	✓	✓	✓	✓
			550J	800	3.4	✓	✓	✓	✓	✓
			550	800	3.4	✓	✓	✓	✓	✓
			541	800	3.2	✓	✓	✓	✓	✓
			540J	800	3.2	✓	✓	✓	✓	✓
			531	800	3	✓	✓	✓	✓	✓
			530J	800	3	✓	✓	✓	✓	✓
			530	800	3	✓	✓	✓	✓	✓
			521	800	2.8	✓	✓	✓	✓	✓
			520J	800	2.8	✓	✓	✓	✓	✓
			520	800	2.8	✓	✓	✓	✓	✓

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