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GA-G31M-S2L

(rev. 1.0) rev. 1.1/2.0

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Intel® G31 + ICH7 Chipset

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CPU Support

Socket 775 - Intel G31

N/A = Not support

Motherboard								Model
								PCB
Vendor	CPU Model	Frequency	L2 Cache	Core Name	Process	Stepping	Wattage	System Bus(MT/s)
Intel	Core™ 2 Extreme QX9770	3.20GHz	12MB	Yorkfield	45nm	C1	135W	1600
Intel	Core™ 2 Extreme QX9770	3.20GHz	12MB	Yorkfield	45nm	C0	135W	1600
Intel	Core™ 2 Extreme QX9650	3.00GHz	12MB	Yorkfield	45nm	C1	130W	1333
Intel	Core™ 2 Extreme QX9650	3.00GHz	12MB	Yorkfield	45nm	C0	130W	1333
Intel	Core™ 2 Quad	3.00GHz	12MB	Yorkfield	45nm	E0	95W	1333

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	Q9550s							
Intel	Core™ 2 Quad Q9550	2.83GHz	12MB	Yorkfield	45nm	C1	95W	1333
Intel	Core™ 2 Quad Q9505s	2.83GHz	6MB	Yorkfield	45nm	R0	65W	1333
Intel	Core™ 2 Quad Q9505	2.83GHz	6MB	Yorkfield	45nm	R0	95W	1333
Intel	Core™ 2 Quad Q9500	2.83GHz	6MB	Yorkfield	45nm	R0	95W	1333
Intel	Core™ 2 Quad Q9450	2.66GHz	12MB	Yorkfield	45nm	C1	95W	1333
Intel	Core™ 2 Quad Q9400	2.66GHz	6MB	Yorkfield	45nm	R0	95W	1333
Intel	Core™ 2 Quad Q9400s	2.66GHz	6MB	Yorkfield	45nm	R0	65W	1333
Intel	Core™ 2 Quad Q9300	2.50GHz	6MB	Yorkfield	45nm	M1	95W	1333
Intel	Core™ 2 Quad Q8400	2.66GHz	4MB	Yorkfield	45nm	R0	95W	1333
Intel	Core™ 2 Quad Q8400s	2.66GHz	4MB	Yorkfield	45nm	R0	65W	1333
Intel	Core™ 2 Quad	2.50GHz	4MB	Yorkfield	45nm	R0	95W	1333

Clear All

	Q8200							
Intel	Core™ 2 Quad Q8200s	2.33GHz	4MB	Yorkfield	45nm	M1	65W	1333
Intel	Core™ 2 Duo E8600	3.33GHz	6MB	Wolfdale	45nm	E0	65W	1333
Intel	Core™ 2 Duo E8500	3.16GHz	6MB	Wolfdale	45nm	C0	65W	1333
Intel	Core™ 2 Duo E8500	3.16GHz	6MB	Wolfdale	45nm	E0	65W	1333
Intel	Core™ 2 Duo E8400	3.00GHz	6MB	Wolfdale	45nm	C0	65W	1333
Intel	Core™ 2 Duo E8400	3.00GHz	6MB	Wolfdale	45nm	E0	65W	1333
Intel	Core™ 2 Duo E8300	2.83GHz	6MB	Wolfdale	45nm	C0	65W	1333
Intel	Core™ 2 Duo E8200	2.66GHz	6MB	Wolfdale	45nm	C0	65W	1333
Intel	Core™ 2 Duo E8190	2.66GHz	6MB	Wolfdale	45nm	C0	65W	1333
Intel	Core™ 2 Extreme QX6850	3.00GHz	8MB	Kentsfield	65nm	G0	130W	1333
Intel	Core™ 2 Extreme	2.93GHz	8MB	Kentsfield	65nm	G0	130W	1066

Clear All

	X6800							
Intel	Core™ 2 Quad Q6700	2.66GHz	8MB	Kentsfield	65nm	G0	95W	1066
Intel	Core™ 2 Quad Q6600	2.40GHz	8MB	Kentsfield	65nm	G0	95W	1066
Intel	Core™ 2 Quad Q6600	2.40GHz	8MB	Kentsfield	65nm	B3	105W	1066
Intel	Core™ 2 Duo E7600	3.06GHz	3MB	Wolfdale	45nm	R0	65W	1066
Intel	Core™ 2 Duo E7500	2.93GHz	3MB	Wolfdale	45nm	R0	65W	1066
Intel	Core™ 2 Duo E7400	2.80GHz	3MB	Wolfdale	45nm	R0	65W	1066
Intel	Core™ 2 Duo E7300	2.66GHz	3MB	Wolfdale	45nm	M0	65W	1066
Intel	Core™ 2 Duo E7200	2.53GHz	3MB	Wolfdale	45nm	M0	65W	1066
Intel	Core™ 2 Duo E6850	3.00GHz	4MB	Conroe	65nm	G0	65W	1333
Intel	Core™ 2 Duo E6750	2.66GHz	4MB	Conroe	65nm	G0	65W	1333
Intel	Core™ 2 Duo	2.66GHz	4MB	Conroe	65nm	B2	65W	1066

Clear All

	E6550							
Intel	Core™ 2 Duo E6540	2.33GHz	4MB	Conroe	65nm	G0	65W	1333
Intel	Core™ 2 Duo E6420	2.13GHz	4MB	Conroe	65nm	B2	65W	1066
Intel	Core™ 2 Duo E6400	2.13GHz	2MB	Conroe	65nm	L2	65W	1066
Intel	Core™ 2 Duo E6400	2.13GHz	2MB	Conroe	65nm	B2	65W	1066
Intel	Core™ 2 Duo E6320	1.86GHz	4MB	Conroe	65nm	B2	65W	1066
Intel	Core™ 2 Duo E6300	1.86GHz	2MB	Conroe	65nm	L2	65W	1066
Intel	Core™ 2 Duo E6300	1.86GHz	2MB	Conroe	65nm	B2	65W	1066
Intel	Core™ 2 Duo E4700	2.60GHz	2MB	Conroe	65nm	G0	65W	800
Intel	Core™ 2 Duo E4600	2.40GHz	2MB	Conroe	65nm	M0	65W	800
Intel	Core™ 2 Duo E4500	2.20GHz	2MB	Conroe	65nm	M0	65W	800
Intel	Core™ 2 Duo	2.00GHz	2MB	Conroe	65nm	M0	65W	800

Clear All

	E4300							
Intel	Pentium Dual-Core E6800	3.33GHz	2MB	Wolfdale	45nm	R0	65W	1066
Intel	Pentium Dual-Core E6700	3.20GHz	2MB	Wolfdale	45nm	R0	65W	1066
Intel	Pentium Dual-Core E6600	3.06GHz	2MB	Wolfdale	45nm	R0	65W	1066
Intel	Pentium Dual-Core E6500	2.93GHz	2MB	Wolfdale	45nm	R0	65W	1066
Intel	Pentium Dual-Core E6300	2.80GHz	2MB	Wolfdale	45nm	R0	65W	1066
Intel	Pentium Dual-Core E5800	3.20GHz	2MB	Wolfdale	45nm	R0	65W	800
Intel	Pentium Dual-Core E5700	3.00GHz	2MB	Wolfdale	45nm	R0	65W	800
Intel	Pentium Dual-Core E5500	2.80GHz	2MB	Wolfdale	45nm	R0	65W	800

Clear All

	Core E5300							
Intel	Pentium Dual-Core E5200	2.50GHz	2MB	Wolfdale	45nm	R0	65W	800
Intel	Pentium Dual-Core E5200	2.50GHz	2MB	Wolfdale	45nm	M0	65W	800
Intel	Pentium Dual-Core E2220	2.40GHz	1MB	Conroe	65nm	M0	65W	800
Intel	Pentium Dual-Core E2200	2.20GHz	1MB	Conroe	65nm	M0	65W	800
Intel	Pentium Dual-Core E2180	2.00GHz	1MB	Conroe	65nm	M0	65W	800
Intel	Pentium Dual-Core E2160	1.80GHz	1MB	Conroe	65nm	M0	65W	800
Intel	Pentium Dual-Core E2160	1.80GHz	1MB	Conroe	65nm	L2	65W	800
Intel	Pentium Dual-Core E2140	1.60GHz	1MB	Conroe	65nm	M0	65W	800

Clear All

	Core E3500							
Intel	Celeron Dual-Core E3400	2.60GHz	1MB	Wolfdale	45nm	R0	65W	800
Intel	Celeron Dual-Core E3300	2.50GHz	1MB	Wolfdale	45nm	R0	65W	800
Intel	Celeron Dual-Core E3200	2.40GHz	1MB	Wolfdale	45nm	R0	65W	800
Intel	Celeron Dual-Core E1600	2.40GHz	512KB	Conroe	65nm	M0	65W	800
Intel	Celeron Dual-Core E1500	2.20GHz	512KB	Conroe	65nm	M0	65W	800
Intel	Celeron Dual-Core E1400	2.00GHz	512KB	Conroe	65nm	M0	65W	800
Intel	Celeron Dual-Core E1200	1.60GHz	512KB	Conroe	65nm	M0	65W	800
Intel	Pentium Extreme Edition 965	3.73GHz	4MB	Presler	65nm	C1	130W	1066

Clear All

	Edition							
	840-XE							
Intel	Pentium D 960	3.60GHz	4MB	Presler	65nm	D0	95W	800
Intel	Pentium D 960	3.60GHz	4MB(2x2)	Presler	65nm	C1	130W	800
Intel	Pentium D 950	3.40GHz	4MB(2x2)	Presler	65nm	B1	130W	800
Intel	Pentium D 945	3.40GHz	4MB	Presler	65nm	D0	95W	800
Intel	Pentium D 945	3.40GHz	4MB	Presler	65nm	C1	95W	800
Intel	Pentium D 940	3.20GHz	4MB	Presler	65nm	C1	95W	800
Intel	Pentium D 940	3.20GHz	4MB(2x2)	Presler	65nm	B1	130W	800
Intel	Pentium D 935	3.20GHz	4MB	Presler	65nm	D0	95W	800
Intel	Pentium D 930	3.00GHz	4MB	Presler	65nm	C1	95W	800
Intel	Pentium D 930	3.00GHz	4MB(2x2)	Presler	65nm	B1	95W	800
Intel	Pentium D 925	3.00GHz	4MB	Presler	65nm	C1	95W	800
Intel	Pentium D 920	2.80GHz	4MB(2x2)	Presler	65nm	B1	95W	800
Intel	Pentium D 915	2.80GHz	4MB	Presler	65nm	C1	95W	800
Intel	Pentium D 840	3.20GHz	2MB	Smithfield	90nm	B0	130W	800

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Intel	Pentium D 820	2.80GHz	2MB	Smithfield	90nm	B0	95W	800
Intel	Pentium D 820	2.80GHz	2MB	Smithfield	90nm	A0	95W	800
Intel	Pentium D 805	2.66GHz	2MB	Smithfield	90nm	B0	95W	533
Intel	P4-Extreme Edition	3.73GHz	2MB	Prescott	90nm	N0	115W	1066
Intel	P4-Extreme Edition	3.46GHz	2MB	Northwood	130nm	M0	110.7W	1066
Intel	P4-Extreme Edition	3.40GHz	2MB	Northwood	130nm	M0	109.6W	800
Intel	Pentium 4 672	3.80GHz	2MB	Prescott	90nm	R0	115W	800
Intel	Pentium 4 670	3.80GHz	2MB	Prescott	90nm	R0	115W	800
Intel	Pentium 4 670	3.80GHz	2MB	Prescott	90nm	N0	115W	800
Intel	Pentium 4 662	3.60GHz	2MB	Prescott	90nm	R0	115W	800
Intel	Pentium 4 661	3.60GHz	2MB	Cedar Mill	65nm	B1	86W	800
Intel	Pentium 4 660	3.60GHz	2MB	Prescott	90nm	N0	115W	800
Intel	Pentium 4 651	3.40GHz	2MB	Cedar Mill	65nm	D0	65W	800
Intel	Pentium 4 651	3.40GHz	2MB	Cedar Mill	65nm	B1	86W	800

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Intel	Pentium 4 641	3.20GHz	2MB	Cedar Mill	65nm	B1	86W	800
Intel	Pentium 4 640	3.20GHz	2MB	Prescott	90nm	N0	84W	800
Intel	Pentium 4 631	3.00GHz	2MB	Cedar Mill	65nm	D0	65W	800
Intel	Pentium 4 631	3.00GHz	2MB	Cedar Mill	65nm	B1	86W	800
Intel	Pentium 4 630	3.00GHz	2MB	Prescott	90nm	N0	84W	800
Intel	Pentium 4 571	3.80GHz	1MB	Prescott	90nm	E0	115W	800
Intel	Pentium 4 570J	3.80GHz	1MB	Prescott	90nm	E0	115W	800
Intel	Pentium 4 561	3.60GHz	1MB	Prescott	90nm	E0	115W	800
Intel	Pentium 4 560	3.60GHz	1MB	Prescott	90nm	D0	115W	800
Intel	Pentium 4 560J	3.60GHz	1MB	Prescott	90nm	E0	115W	800
Intel	Pentium 4 551	3.40GHz	1MB	Prescott	90nm	G1	84W	800
Intel	Pentium 4 551	3.40GHz	1MB	Prescott	90nm	E0	84W	800
Intel	Pentium 4 550	3.40GHz	1MB	Prescott	90nm	E0	84W	800
Intel	Pentium 4 550J	3.40GHz	1MB	Prescott	90nm	E0	84W	800
Intel	Pentium 4 541	3.20GHz	1MB	Prescott	90nm	E0	84W	800

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Intel	Pentium 4 530J	3.00GHz	1MB	Prescott	90nm	E0	84W	800
Intel	Pentium 4 524	3.06GHz	1MB	Prescott	90nm	G1	84W	533
Intel	Pentium 4 521	2.80GHz	1MB	Prescott	90nm	E0	84W	800
Intel	Pentium 4 520	2.80GHz	1MB	Prescott	90nm	D0	84W	800
Intel	Pentium 4 519K	3.06GHz	1MB	Prescott	90nm	G1	84W	533
Intel	Pentium 4 516	2.93GHz	1MB	Prescott	90nm	G1	84W	533
Intel	Pentium 4 516	2.93GHz	1MB	Prescott	90nm	E0	84W	533
Intel	Pentium 4 506	2.66GHz	1MB	Prescott	90nm	E0	84W	533
Intel	Pentium 4 505J	2.66GHz	1MB	Prescott	90nm	E0	84W	533
Intel	Celeron 400 Sequence 440	2.00GHz	512KB	Conroe-L	65nm	A1	35W	800
Intel	Celeron 400 Sequence 430	1.80GHz	512KB	Conroe-L	65nm	A1	35W	800
Intel	Celeron 400 Sequence 420	1.60GHz	512KB	Conroe-L	65nm	A1	35W	800

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Intel	Celeron D 355	3.33GHz	256KB	Prescott	90nm	G1	73W	533
Intel	Celeron D 352	3.20GHz	512KB	Cedar Mill	65nm	C1	86W	533
Intel	Celeron D 351	3.20GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 346	3.06GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 345J	3.06GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 341	2.93GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 340J	2.93GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 336	2.80GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 335J	2.80GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 331	2.66GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 330J	2.66GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 326	2.53GHz	256KB	Prescott	90nm	E0	84W	533
Intel	Celeron D 325J	2.53GHz	256KB	Prescott	90nm	E0	84W	533

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