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GA-M68SM-S2 (rev. 1.0)

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Socket AM2 - NVIDIA GeForce® 7025 / nForce 630a

N/A = Not support

Socket AM2										
Motherboard									Model	GA-M68SM-S2
									PCB	1.0
Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus(MT/s)	Since BIOS Version
AMD	Athlon 64 FX-62	2800MHz	1MBx2		Windsor	90nm	F2	125W	2000	F1
AMD	Opteron 1210	1800MHz	1MBx2		Santa Ana	90nm	F2	103W	2000	F1
AMD	Athlon X2 BE-2400	2300MHz	512KBx2		Brisbane	65nm	G2	45W	2000	F2
AMD	Athlon X2 BE-2350	2100MHz	512KBx2		Brisbane	65nm	G2	45W	2000	F2
AMD	Athlon X2 BE-2350	2100MHz	512KBx2		Brisbane	65nm	G1	45W	2000	F2
AMD	Athlon X2 BE-2300	1900MHz	512KBx2		Brisbane	65nm	G2	45W	2000	F2
AMD	Athlon X2 BE-2300	1900MHz	512KBx2		Brisbane	65nm	G1	45W	2000	F2
AMD	Athlon 64 X2 6400+	3200MHz	1MBx2		Windsor	90nm	F3	125W	2000	F1
AMD	Athlon 64 X2 6000+	3000MHz	1MBx2		Windsor	90nm	F3	89W	2000	F1
AMD	Athlon 64 X2 6000+	3000MHz	1MBx2		Windsor	90nm	F3	125W	2000	F1
AMD	Athlon 64 X2 5600+	2900MHz	512KBx2		Brisbane	65nm	G2	89W	2000	F3
AMD	Athlon 64 X2 5600+	2800MHz	1MBx2		Windsor	90nm	F3	89W	2000	F1
AMD	Athlon 64 X2 5400+	2800MHz	512KBx2		Brisbane	65nm	G2	65W	2000	F3
AMD	Athlon 64 X2 5400+	2800MHz	512KBx2		Windsor	90nm	F3	89W	2000	F1
AMD	Athlon 64 X2 5200+	2600MHz	1MBx2		Windsor	90nm	F3	65W	2000	F1

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Brand	Model	Frequency	Cache	Process	Technology	Socket	Power	Year	Series
AMD	Athlon 64 X2 5200+	2600MHz	512KBx2	Windsor	90nm	F3	65W	2000	F1
AMD	Athlon 64 X2 5000+	2600MHz	512KBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 5000+	2600MHz	512KBx2	Brisbane	65nm	G2	65W	2000	F2
AMD	Athlon 64 X2 5000+	2600MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F1
AMD	Athlon 64 X2 4850+	2500MHz	512KBx2	Brisbane	65nm	G2	45W	2000	F3
AMD	Athlon 64 X2 4800+	2400MHz	1MBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 4800+	2400MHz	1MBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 4800+	2500MHz	512KBx2	Brisbane	65nm	G2	65W	2000	F2
AMD	Athlon 64 X2 4800+	2500MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F1
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2	Windsor	90nm	F3	65W	2000	F1
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 4400+	2200MHz	1MBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 4400+	2200MHz	1MBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 4400+	2300MHz	512KBx2	Brisbane	65nm	G2	65W	2000	F2
AMD	Athlon 64 X2 4400+	2300MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F1
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F2
AMD	Athlon 64 X2 4000+	2000MHz	1MBx2	Windsor	90nm	F2	89W	2000	F1
AMD	Athlon 64 X2 4000+	2000MHz	1MBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 4000+	2100MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F1

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Brand	Model	Frequency	Cache	Process	Technology	Core	Power	Year	Notes
AMD	Athlon 64 X2 3800+	2000MHz	512KBx2	Windsor	90nm	F2	35W	2000	F1
AMD	Athlon 64 X2 3600+	2000MHz	256KBx2	Windsor	90nm	F2	65W	2000	F1
AMD	Athlon 64 X2 3600+	1900MHz	512KBx2	Brisbane	65nm	G1	65W	2000	F1
AMD	Athlon LE-1640	2600MHz	1MB	Orleans	90nm	F3	45W	2000	F2
AMD	Athlon LE-1620	2400MHz	1MB	Orleans	90nm	F3	45W	2000	F2
AMD	Athlon LE-1600	2200MHz	1MB	Orleans	90nm	F3	45W	2000	F2
AMD	Athlon 64 4000+	2600MHz	512KB	Orleans	90nm	F3	62W	2000	F1
AMD	Athlon 64 3800+	2400MHz	512KB	Orleans	90nm	F3	62W	2000	F1
AMD	Athlon 64 3800+	2400MHz	512KB	Orleans	90nm	F2	62W	2000	F1
AMD	Athlon 64 3800+	2400MHz	512KB	Lima	65nm	G1	45W	2000	F1
AMD	Athlon 64 3500+	2200MHz	512KB	Orleans	90nm	F3	62W	2000	F1
AMD	Athlon 64 3500+	2200MHz	512KB	Orleans	90nm	F2	62W	2000	F1
AMD	Athlon 64 3500+	2200MHz	512KB	Orleans	90nm	F2	35W	2000	F1
AMD	Athlon 64 3500+	2200MHz	512KB	Lima	65nm	G1	45W	2000	F1
AMD	Athlon 64 3200+	2000MHz	512KB	Orleans	90nm	F2	62W	2000	F1
AMD	Athlon 64 3200+	2000MHz	512KBx2	Lima	65nm	G1	45W	2000	F1
AMD	Athlon 64 3000+	1800MHz	512KB	Orleans	90nm	F2	62W	2000	F1
AMD	Sempron X2 2200	2000MHz	256KBx2	Brisbane	65nm	G2	65W	1600	N/A
AMD	Sempron X2 2100	1800MHz	256KBx2	Brisbane	65nm	G2	65W	1600	N/A
AMD	Sempron X2 2100	1800MHz	256KBx2	Brisbane	65nm	G1	65W	1600	N/A
AMD	Sempron LE-1300	2300MHz	512KBx2	Sparta	65nm	G2	45W	2000	F2
AMD	Sempron LE-1250	2200MHz	512KBx2	Sparta	65nm	G2	45W	2000	F2

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Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus	Since BIOS Version
AMD	Sempron 3800+	2200MHz	256KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3600+	2000MHz	256KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3500+	2000MHz	128KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3400+	1800MHz	256KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3400+	1800MHz	256KB		Manila	90nm	F2	35W	1600	F1
AMD	Sempron 3200+	1800MHz	128KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3200+	1800MHz	128KB		Manila	90nm	F2	35W	1600	F1
AMD	Sempron 3000+	1600MHz	256KB		Manila	90nm	F2	62W	1600	F1
AMD	Sempron 3000+	1600MHz	256KB		Manila	90nm	F2	35W	1600	F1
AMD	Sempron 2800+	1600MHz	128KB		Manila	90nm	F2	62W	1600	F1

Socket AM2+										
Motherboard									Model	GA-M68SM-S2
									PCB	1.0
Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus(MT/s)	Since BIOS Version
AMD	Phenom II X4 940	3000MHz	512KBx4	6MB	Deneb	45nm	C2	125W	3600	N/A
AMD	Phenom II X4 920	2800MHz	512KBx4	6MB	Deneb	45nm	C2	125W	3600	N/A
AMD	Phenom X4 9950	2600MHz	512KBx4	2MB	Agena	65nm	B3	125W	4000	N/A
AMD	Phenom X4 9850	2500MHz	512KBx4	2MB	Agena	65nm	B3	95W	4000	N/A
AMD	Phenom X3 8600	2300MHz	512KBx3	2MB	Toliman	65nm	B2	95W	3600	N/A
AMD	Phenom X3 8450	2100MHz	512KBx3	2MB	Toliman	65nm	B3	95W	3600	N/A
AMD	Phenom X3 8400	2100MHz	512KBx3	2MB	Toliman	65nm	B2	95W	3600	N/A

Socket AM3									
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AMD	Phenom II X6 1100T	3300MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000	N/A
AMD	Phenom II X6 1090T	3200MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000	N/A
AMD	Phenom II X6 1075T	3000MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000	N/A
AMD	Phenom II X6 1065T	2900MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000	N/A
AMD	Phenom II X6 1055T	2800MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000	N/A
AMD	Phenom II X6 1055T	2800MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000	N/A
AMD	Phenom II X6 1045T	2700MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000	N/A
AMD	Phenom II X6 1035T	2600MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000	N/A
AMD	Phenom II X4 975	3600MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000	N/A
AMD	Phenom II X4 970	3500MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000	N/A
AMD	Phenom II X4 965	3400MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000	N/A
AMD	Phenom II X4 965	3400MHz	512KBx4	6MB	Deneb	45nm	C2	140W	4000	N/A
AMD	Phenom II X4 960	3300MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000	N/A
AMD	Phenom II X4 960T	3000MHz	512KBx4	6MB	Zosma	45nm	E0	95W	4000	N/A
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000	N/A
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000	N/A
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C2	125W	4000	N/A
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000	N/A
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C2	125W	4000	N/A
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000	N/A
AMD	Phenom II X4 925	2800MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000	N/A
AMD	Phenom II X4 925	2800MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000	N/A
AMD	Phenom II X4 910	2600MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000	N/A

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Brand	Model	Frequency	Cache	RAM	Series	Process	Core	Power	Price	Availability
AMD	Phenom II X4 900e	3300MHz	512KBx4	N/A	Deneb	45nm	C3	95W	4000	N/A
AMD	Phenom II X4 840	3200MHz	512KBx4	N/A	Deneb	45nm	C3	95W	4000	N/A
AMD	Phenom II X4 820	2800MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000	N/A
AMD	Phenom II X4 810	2600MHz	512KBx4	4MB	Deneb	45nm	C2	95W	4000	N/A
AMD	Phenom II X4 805	2500MHz	512KBx4	4MB	Deneb	45nm	C2	95W	4000	N/A
AMD	Phenom II X3 740	3000MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000	N/A
AMD	Phenom II X3 720	2800MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000	N/A
AMD	Phenom II X3 710	2600MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000	N/A
AMD	Phenom II X3 705e	2500MHz	512KBx3	6MB	Heka	45nm	C2	65W	4000	N/A
AMD	Phenom II X3 700e	2400MHz	512KBx3	6MB	Heka	45nm	C2	65W	4000	N/A
AMD	Phenom II X2 570	3500MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 565	3400MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 560	3300MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 555	3200MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 550	3100MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 550	3100MHz	512KBx2	6MB	Callisto	45nm	C2	80W	4000	N/A
AMD	Phenom II X2 545	3000MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000	N/A
AMD	Phenom II X2 545	3000MHz	512KBx2	6MB	Callisto	45nm	C2	80W	4000	N/A
AMD	Athlon II X4 655	3300MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000	N/A
AMD	Athlon II X4 650	3200MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000	N/A
AMD	Athlon II X4 640	3000MHz	512KBx4	N/A	Propus	45nm	E0	95W	4000	N/A
AMD	Athlon II X4 640	3000MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000	N/A

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Brand	Model	Frequency	Caches	RAM	Process	Technology	Core	TDP	Cache	Price	Availability
AMD	Athlon II X4 630	2800MHz	512KBx4	N/A	Propus	45nm	C2	95W	4000	N/A	
AMD	Athlon II X4 620	2600MHz	512KBx4	N/A	Propus	45nm	C2	95W	4000	N/A	
AMD	Athlon II X4 620e	2600MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000	N/A	
AMD	Athlon II X4 615e	2500MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000	N/A	
AMD	Athlon II X4 610e	2400MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000	N/A	
AMD	Athlon II X4 605e	2300MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000	N/A	
AMD	Athlon II X4 605e	2300MHz	512KBx4	N/A	Propus	45nm	C2	45W	4000	N/A	
AMD	Athlon II X4 600e	2200MHz	512KBx4	N/A	Propus	45nm	C2	45W	4000	N/A	
AMD	Athlon II X3 460	3400MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 455	3300MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 450	3200MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 445	3100MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 440	3000MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 440	3000MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000	N/A	
AMD	Athlon II X3 435	2900MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000	N/A	
AMD	Athlon II X3 435	2900MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000	N/A	
AMD	Athlon II X3 425	2700MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000	N/A	
AMD	Athlon II X3 425e	2700MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000	N/A	
AMD	Athlon II X3 420e	2600MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000	N/A	
AMD	Athlon II X3 415e	2500MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000	N/A	
AMD	Athlon II X3 405e	2300MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000	N/A	
AMD	Athlon II X3 405e	2300MHz	512KBx3	N/A	Rena	45nm	C2	45W	4000	N/A	

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Brand	Model	Frequency	Cache	RAM	Regor	Process	GPU	TDP	Power	Price	Availability
AMD	Athlon II X2 270	3300MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 260	3200MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 255	3100MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 255	3100MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000	N/A	N/A
AMD	Athlon II X2 255e	3000MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000	N/A	N/A
AMD	Athlon II X2 250	3000MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 250	3000MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000	N/A	N/A
AMD	Athlon II X2 250e	3000MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000	N/A	N/A
AMD	Athlon II X2 245	2900MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 245	2900MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000	N/A	N/A
AMD	Athlon II X2 245e	2900MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000	N/A	N/A
AMD	Athlon II X2 240	2800MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000	N/A	N/A
AMD	Athlon II X2 240e	2800MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000	N/A	N/A
AMD	Athlon II X2 240e	2800MHz	1MBx2	N/A	Regor	45nm	C2	45W	4000	N/A	N/A
AMD	Athlon II X2 235e	2700MHz	1MBx2	N/A	Regor	45nm	C2	45W	4000	N/A	N/A
AMD	Athlon II X2 225	2900MHz	512KBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 220	2800MHz	512KBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 215	2700MHz	512KBx2	N/A	Regor	45nm	C3	65W	4000	N/A	N/A
AMD	Athlon II X2 215	2700MHz	512KBx2	N/A	Regor	45nm	C2	65W	4000	N/A	N/A
AMD	Athlon II X2 260u	1800MHz	1MBx2	N/A	Regor	45nm	C3	25W	3600	N/A	N/A
AMD	Athlon II X2 260u	1800MHz	1MBx2	N/A	Regor	45nm	C2	25W	3600	N/A	N/A
AMD	Athlon II 170u	1800MHz	1MB	N/A	Sargas	45nm	C3	20W	3600	N/A	N/A
AMD	Athlon II 160u	1800MHz	1MB	N/A	Sargas	45nm	C2	20W	3600	N/A	N/A



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