

# GA-M52S-S3P

## (rev. 1.0) rev. 2.0

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NVIDIA® GeForce 6100 / nForce 430

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## CPU Support

Socket AM2 - NVIDIA GeForce® 6100 / nForce 430

**N/A = Not support**

Socket AM2									
Motherboard									Model
									PCB
Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus(MHz)
AMD	Athlon 64 FX-62	2800MHz	1MBx2		Windsor	90nm	F2	125W	2000
AMD	Opteron 1210	1800MHz	1MBx2		Santa Ana	90nm	F2	103W	2000
AMD	Athlon X2 BE-2400	2300MHz	512KBx2		Brisbane	65nm	G2	45W	2000
AMD	Athlon X2 BE-2350	2100MHz	512KBx2		Brisbane	65nm	G2	45W	2000
AMD	Athlon	2100MHz	512KBx2		Brisbane	65nm	G1	45W	2000



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	2300								
AMD	Athlon 64 X2 6400+	3200MHz	1MBx2		Windsor	90nm	F3	125W	2000
AMD	Athlon 64 X2 6000+	3000MHz	1MBx2		Windsor	90nm	F3	89W	2000
AMD	Athlon 64 X2 6000+	3000MHz	1MBx2		Windsor	90nm	F3	125W	2000
AMD	Athlon 64 X2 5600+	2900MHz	512KBx2		Brisbane	65nm	G2	89W	2000
AMD	Athlon 64 X2 5600+	2800MHz	1MBx2		Windsor	90nm	F3	89W	2000
AMD	Athlon 64 X2 5400+	2800MHz	512KBx2		Brisbane	65nm	G2	65W	2000
AMD	Athlon 64 X2 5400+	2800MHz	512KBx2		Windsor	90nm	F3	89W	2000
AMD	Athlon 64 X2 5200+	2600MHz	1MBx2		Windsor	90nm	F3	65W	2000
AMD	Athlon 64 X2 5200+	2600MHz	1MBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 5200+	2700MHz	512KBx2		Brisbane	65nm	G2	65W	2000
AMD	Athlon 64 X2 5200+	2700MHz	512KBx2		Brisbane	65nm	G1	65W	2000



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	5000+								
AMD	Athlon 64 X2 5000+	2600MHz	512KBx2		Brisbane	65nm	G2	65W	2000
AMD	Athlon 64 X2 5000+	2600MHz	512KBx2		Brisbane	65nm	G1	65W	2000
AMD	Athlon 64 X2 4850+	2500MHz	512KBx2		Brisbane	65nm	G2	45W	2000
AMD	Athlon 64 X2 4800+	2400MHz	1MBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 4800+	2400MHz	1MBx2		Windsor	90nm	F2	65W	2000
AMD	Athlon 64 X2 4800+	2500MHz	512KBx2		Brisbane	65nm	G2	65W	2000
AMD	Athlon 64 X2 4800+	2500MHz	512KBx2		Brisbane	65nm	G1	65W	2000
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2		Windsor	90nm	F3	65W	2000
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 4600+	2400MHz	512KBx2		Windsor	90nm	F2	65W	2000
AMD	Athlon 64 X2 4600+	2400MHz	1MBx2		Windsor	90nm	F2	65W	2000



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	4400+								
AMD	Athlon 64 X2 4400+	2300MHz	512KBx2		Brisbane	65nm	G1	65W	2000
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2		Windsor	90nm	F2	65W	2000
AMD	Athlon 64 X2 4200+	2200MHz	512KBx2		Brisbane	65nm	G1	65W	2000
AMD	Athlon 64 X2 4000+	2000MHz	1MBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 4000+	2000MHz	1MBx2		Windsor	90nm	F2	65W	2000
AMD	Athlon 64 X2 4000+	2100MHz	512KBx2		Brisbane	65nm	G1	65W	2000
AMD	Athlon 64 X2 3800+	2000MHz	512KBx2		Windsor	90nm	F3	65W	2000
AMD	Athlon 64 X2 3800+	2000MHz	512KBx2		Windsor	90nm	F2	89W	2000
AMD	Athlon 64 X2 3800+	2000MHz	512KBx2		Windsor	90nm	F2	65W	2000
AMD	Athlon 64 X2 3800+	2000MHz	512KBx2		Windsor	90nm	F2	65W	2000



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	3600+								
AMD	Athlon LE-1640	2600MHz	1MB		Orleans	90nm	F3	45W	2000
AMD	Athlon LE-1620	2400MHz	1MB		Orleans	90nm	F3	45W	2000
AMD	Athlon LE-1600	2200MHz	1MB		Orleans	90nm	F3	45W	2000
AMD	Athlon 64 4000+	2600MHz	512KB		Orleans	90nm	F3	62W	2000
AMD	Athlon 64 3800+	2400MHz	512KB		Orleans	90nm	F3	62W	2000
AMD	Athlon 64 3800+	2400MHz	512KB		Orleans	90nm	F2	62W	2000
AMD	Athlon 64 3800+	2400MHz	512KB		Lima	65nm	G1	45W	2000
AMD	Athlon 64 3500+	2200MHz	512KB		Orleans	90nm	F3	62W	2000
AMD	Athlon 64 3500+	2200MHz	512KB		Orleans	90nm	F2	62W	2000
AMD	Athlon 64 3500+	2200MHz	512KB		Orleans	90nm	F2	35W	2000
AMD	Athlon 64 3500+	2200MHz	512KB		Lima	65nm	G1	45W	2000



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AMD	Athlon 64 3000+	1800MHz	512KB		Orleans	90nm	F2	62W	2000
AMD	Sempron X2 2200	2000MHz	256KBx2		Brisbane	65nm	G2	65W	1600
AMD	Sempron X2 2100	1800MHz	256KBx2		Brisbane	65nm	G2	65W	1600
AMD	Sempron X2 2100	1800MHz	256KBx2		Brisbane	65nm	G1	65W	1600
AMD	Sempron LE-1300	2300MHz	512KBx2		Sparta	65nm	G2	45W	2000
AMD	Sempron LE-1250	2200MHz	512KBx2		Sparta	65nm	G2	45W	2000
AMD	Sempron LE-1200	2100MHz	512KBx2		Sparta	65nm	G1	45W	2000
AMD	Sempron LE-1150	2000MHz	256KB		Sparta	65nm	G1	45W	2000
AMD	Sempron LE-1100	1900MHz	256KB		Sparta	65nm	G1	45W	2000
AMD	Sempron 3800+	2200MHz	256KB		Manila	90nm	F2	62W	1600
AMD	Sempron 3600+	2000MHz	256KB		Manila	90nm	F2	62W	1600
AMD	Sempron 3500+	2000MHz	128KB		Manila	90nm	F2	62W	1600
AMD	Sempron 3400+	1800MHz	256KB		Manila	90nm	F2	62W	1600
AMD	Sempron 3400+	1800MHz	256KB		Manila	90nm	F2	35W	1600
AMD	Sempron								



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AMD	Sempron 2800+	1600MHz	128KB		Manila	90nm	F2	62W	1600
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Socket AM2+									
Motherboard									Model
									PCB
Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus(MT)
AMD	Phenom II X4 940	3000MHz	512KBx4	6MB	Deneb	45nm	C2	125W	3600
AMD	Phenom II X4 920	2800MHz	512KBx4	6MB	Deneb	45nm	C2	125W	3600
AMD	Phenom X4 9950	2600MHz	512KBx4	2MB	Agena	65nm	B3	125W	4000
AMD	Phenom X4 9850	2500MHz	512KBx4	2MB	Agena	65nm	B3	125W	4000
AMD	Phenom X4 9850	2500MHz	512KBx4	2MB	Agena	65nm	B3	95W	4000
AMD	Phenom X4 9750	2400MHz	512KBx4	2MB	Agena	65nm	B3	125W	3600
AMD	Phenom X4 9750	2400MHz	512KBx4	2MB	Agena	65nm	B3	95W	3600
AMD	Phenom X4 9650	2300MHz	512KBx4	2MB	Agena	65nm	B3	95W	3600
AMD	Phenom X4 9600	2300MHz	512KBx4	2MB	Agena	65nm	B2	95W	3600



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AMD	Athlon X2 7850	2800MHz	512KBx2	2MB	Kuma	65nm	B3	95W	3600
AMD	Athlon X2 7750	2700MHz	512KBx2	2MB	Kuma	65nm	B3	95W	3600
AMD	Athlon X2 7550	2500MHz	512KBx2	2MB	Kuma	65nm	B3	95W	3600
AMD	Athlon X2 7450	2400MHz	512KBx2	2MB	Kuma	65nm	B3	95W	3600

Socket AM3

Motherboard									Model
									PCB
Vendor	CPU Model	Frequency	L2 Cache	L3 Cache	Core Name	Process	Stepping	Wattage	System Bus(MT)
AMD	Phenom II X6 1100T	3300MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000
AMD	Phenom II X6 1090T	3200MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000
AMD	Phenom II X6 1075T	3000MHz	512KBx6	6MB	Thuban	45nm	E0	125W	4000
AMD	Phenom II X6 1065T	2900MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000





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	1045T								
AMD	Phenom II X6 1035T	2600MHz	512KBx6	6MB	Thuban	45nm	E0	95W	4000
AMD	Phenom II X4 975	3600MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000
AMD	Phenom II X4 970	3500MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000
AMD	Phenom II X4 965	3400MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000
AMD	Phenom II X4 965	3400MHz	512KBx4	6MB	Deneb	45nm	C2	140W	4000
AMD	Phenom II X4 960	3300MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000
AMD	Phenom II X4 960T	3000MHz	512KBx4	6MB	Zosma	45nm	E0	95W	4000
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C3	125W	4000
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000
AMD	Phenom II X4 955	3200MHz	512KBx4	6MB	Deneb	45nm	C2	125W	4000
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C2	125W	4000
AMD	Phenom II X4 945	3000MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000
AMD	Phenom	2600MHz	512KBx4	6MB	Deneb	45nm	C3	95W	4000



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	910e								
AMD	Phenom II X4 905e	2500MHz	512KBx4	6MB	Deneb	45nm	C2	65W	4000
AMD	Phenom II X4 900e	2400MHz	512KBx4	6MB	Deneb	45nm	C2	65W	4000
AMD	Phenom II X4 850	3300MHz	512KBx4	N/A	Deneb	45nm	C3	95W	4000
AMD	Phenom II X4 840	3200MHz	512KBx4	N/A	Deneb	45nm	C3	95W	4000
AMD	Phenom II X4 820	2800MHz	512KBx4	6MB	Deneb	45nm	C2	95W	4000
AMD	Phenom II X4 810	2600MHz	512KBx4	4MB	Deneb	45nm	C2	95W	4000
AMD	Phenom II X4 805	2500MHz	512KBx4	4MB	Deneb	45nm	C2	95W	4000
AMD	Phenom II X3 740	3000MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000
AMD	Phenom II X3 720	2800MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000
AMD	Phenom II X3 710	2600MHz	512KBx3	6MB	Heka	45nm	C2	95W	4000
AMD	Phenom II X3 705e	2500MHz	512KBx3	6MB	Heka	45nm	C2	65W	4000
AMD	Phenom II X3 700e	2400MHz	512KBx3	6MB	Heka	45nm	C2	65W	4000
AMD	Phenom	3500MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000



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AMD	Phenom II X2 550	3100MHz	512KBx2	6MB	Callisto	45nm	C2	80W	4000
AMD	Phenom II X2 545	3000MHz	512KBx2	6MB	Callisto	45nm	C3	80W	4000
AMD	Phenom II X2 545	3000MHz	512KBx2	6MB	Callisto	45nm	C2	80W	4000
AMD	Athlon II X4 655	3300MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000
AMD	Athlon II X4 650	3200MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000
AMD	Athlon II X4 640	3000MHz	512KBx4	N/A	Propus	45nm	E0	95W	4000
AMD	Athlon II X4 640	3000MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000
AMD	Athlon II X4 635	2900MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000
AMD	Athlon II X4 635	2900MHz	512KBx4	N/A	Propus	45nm	C2	95W	4000
AMD	Athlon II X4 630	2800MHz	512KBx4	N/A	Propus	45nm	C3	95W	4000
AMD	Athlon II X4 630	2800MHz	512KBx4	N/A	Propus	45nm	C2	95W	4000
AMD	Athlon II X4 620	2600MHz	512KBx4	N/A	Propus	45nm	C2	95W	4000
AMD	Athlon II X4 620e	2600MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000
AMD	Athlon II X4 615e	2500MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000
AMD	Athlon II	2400MHz	512KBx4	N/A	Propus	45nm	C3	45W	4000



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AMD	Athlon II X3 460	3400MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 455	3300MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 450	3200MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 445	3100MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 440	3000MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 440	3000MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000
AMD	Athlon II X3 435	2900MHz	512KBx3	N/A	Rena	45nm	C3	95W	4000
AMD	Athlon II X3 435	2900MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000
AMD	Athlon II X3 425	2700MHz	512KBx3	N/A	Rena	45nm	C2	95W	4000
AMD	Athlon II X3 425e	2700MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000
AMD	Athlon II X3 420e	2600MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000
AMD	Athlon II X3 415e	2500MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000
AMD	Athlon II X3 405e	2300MHz	512KBx3	N/A	Rena	45nm	C3	45W	4000
AMD	Athlon II X3 405e	2300MHz	512KBx3	N/A	Rena	45nm	C2	45W	4000
AMD	Athlon II	2200MHz	512KBx3	N/A	Rena	45nm	C2	45W	4000



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AMD	Athlon II X2 260	3200MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000
AMD	Athlon II X2 255	3100MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000
AMD	Athlon II X2 255	3100MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000
AMD	Athlon II X2 255e	3000MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000
AMD	Athlon II X2 250	3000MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000
AMD	Athlon II X2 250	3000MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000
AMD	Athlon II X2 250e	3000MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000
AMD	Athlon II X2 245	2900MHz	1MBx2	N/A	Regor	45nm	C3	65W	4000
AMD	Athlon II X2 245	2900MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000
AMD	Athlon II X2 245e	2900MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000
AMD	Athlon II X2 240	2800MHz	1MBx2	N/A	Regor	45nm	C2	65W	4000
AMD	Athlon II X2 240e	2800MHz	1MBx2	N/A	Regor	45nm	C3	45W	4000
AMD	Athlon II X2 240e	2800MHz	1MBx2	N/A	Regor	45nm	C2	45W	4000
AMD	Athlon II X2 235e	2700MHz	1MBx2	N/A	Regor	45nm	C2	45W	4000
AMD	Athlon II X2 235e	2700MHz	512KBx2	N/A	Regor	45nm	C3	65W	4000



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AMD	Athlon II X2 260u	1800MHz	1MBx2	N/A	Regor	45nm	C3	25W	3600
AMD	Athlon II X2 260u	1800MHz	1MBx2	N/A	Regor	45nm	C2	25W	3600
AMD	Athlon II 170u	1800MHz	1MB	N/A	Sargas	45nm	C3	20W	3600
AMD	Athlon II 160u	1800MHz	1MB	N/A	Sargas	45nm	C2	20W	3600
AMD	Sempron 180	2400MHz	512KBx2	N/A	Sargas	45nm	C3	45W	4000
AMD	Sempron 145	2800MHz	1MB	N/A	Sargas	45nm	C3	45W	4000
AMD	Sempron 140	2700MHz	1MB	N/A	Sargas	45nm	C2	45W	4000

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