

Intel Chipset																		
Model	GA-8KNXP Ultra	GA-8KNXP	GA-8I875 Ultra	GA-8I875	GA-8I1100	GA-8PENXP	GA-8IPE1000 Pro2	GA-8IPE1000	GA-8I848EL	GA-8IG1000 Pro	GA-8IG1000	GA-8IG1000MK	GA-8I865GVMK	GA-8PE800	8GEM667K	GA-8S655FX	GA-8S648FX	GA-8VT800
CPU/Keep out Zone	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478	Socket 478
Chip	Canterwood (875P)/ICH5R	Canterwood (875P)/ICH5R	Canterwood (875P)/ICH5R	Canterwood (875P)/ICH5R	Canterwood (875P)/ICH5R	Springdale PE(865PE)/ICH	Springdale PE(865PE)/ICH	Springdale PE(865PE)/ICH5	865PE or 848P/ICH4	Springdale G(865G)/ICH5	Springdale G(865G)/ICH5	Springdale G(865G)/ICH5	Springdale GV(865GV)/ICH5	Brookdale-PE 845PE/ICH4	Brookdale-GE 845GE/ICH4	Sis 655FX + Sis 964	Sis 648FX + Sis 963	ViaPT800+8235(CE)
Form Factor	ATX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	Micro ATX	Micro ATX	ATX	Micro ATX	ATX	ATX	ATX
PCB Size (mm)	305X244	305X244	305X244	305X244	305X244	305X244	305X244	305X244	305X244	305X244	305X244	244x244	244x244	305X244	244x210	305X244	295x209	305x215
FSB	800/533	800/533	800/533/400	800/533/400	800/533	800/533/400	800/533/400	800/533/400	800/533/400	800/533/400	800/533/400	800/533/400	800/533/400	(667)/533/400	533/400	800/533/400	800/533/400	800/533/400
AGP	AGP Pro*1	AGP Pro*1	AGP Pro*1	AGP Pro*1	AGP Pro*1	AGP Pro*1	8X*1	8X*1	8X*1	8X*1	8X*1	8X*1	8X*1	4X*1	4X*1	8X/4X*1	8X/4X*1	8X/4X*1
PCI	5	5	5	5	5	5	5	5	5	5	5	3	3	3	3	5	5	5
ISA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Memory Type	Dual Channel, DDR400/333	Dual Channel, DDR400/333	Dual Channel, DDR400/333	Dual Channel, DDR400/333	Dual Channel, DDR400/333	Dual Channel, DDR400/333/266	Dual Channel, DDR400/333/266	Dual Channel, DDR400/333/266	DDR400/333/266	Dual Channel, DDR400/333/266	Dual Channel, DDR400/333/266	Dual Channel, DDR400/333/266	Dual Channel, DDR400/333/266	DDR (400)/333/266 /200	DDR333/266/200	Dual Channel, DDR400/333/266	DDR400/333/ 266	DDR400/333/ 266
Memory Socket	DDR*6	DDR*6	DDR*6	DDR*6	DDR*6	DDR*6	DDR*4	DDR*4	DDR*3 (single chan.)	DDR*4	DDR*4	DDR*4	DDR*4	DDR*4	DDR*3	DDR*2	DDR*4	DDR*3
USB	8*USB2.0/1.1 (4 by cable) 2*Serial	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	6*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	6*USB2.0/1.1 (8 by cable)	6*USB2.0/1.1 (4 by cable)	8*USB2.0/1.1 (4 by cable)	6*USB 2.0/1.1 (4 by cable)	6*USB 2.0/1.1 (4 by cable)
ATA	ATA(ICH5R), 4*PATA(GigaRAID+ICH5R), Adaptec SCSI Ultra320, RAID0, RAID1	4*Serial ATA(ICH5R+SII3112A) 4*PATA(ICH5R+GigaRAID), RAID0, 1	4*Serial ATA(ICH5R+SII3112A) 4*PATA(ICH5R+GigaRAID)	2*Serial ATA(ICH5R), 2*PATA(ICH5R)	2*Serial ATA(ICH5R), 2*PATA(ICH5R), RAID0	4*Serial ATA(ICH5+SII3112A) 4*PATA(ICH5+GigaRAID), RAID0, 1	2*Serial ATA, 2*PATA	2*Serial ATA, 2*PATA	100/66/33	2*Serial ATA, 2*PATA	2*Serial ATA, 2*PATA	2*Serial ATA, 2*PATA	2*Serial ATA, 2*PATA	100/66*2	100/66/33	2*Serial ATA, 2*PATA 133	133/100/66	133/100/66
RAID	Yes (*Note1)	Yes (*Note1)	Yes (*Note 1)	Yes (*Note 1)	Yes (*Note1)	Yes (*Note1)	No	No	No	No	No	No	No	No	No	Yes(*Note 1)	No	No
Audio	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC658)	AC97 (ALC658)	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC658)	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC655)	AC97 (ALC655)	AC97 (Realtek ALC650)	AC97(Realtek ALC650)	AC97 (Realtek ALC658)	AC97(Realtek ALC650)	AC97(Realtek ALC655)
Codec	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-Channel	6-channel	6-Channel	6-channel	6-channel
VGA	-	-	-	-	-	-	-	-	-	Integrated shared	Integrated shared	Integrated shared	Integrated shared	Integrated shared	Integrated shared	-	-	-
Video Memory	-	-	-	-	-	-	-	-	-	shared	shared	shared	shared	shared	shared	-	-	-
LAN	Kenai II CSA (Gigabit)/Yes	Kenai II CSA (Gigabit)/Yes	Kenai II CSA (Gigabit)/Yes	Kenai II CSA (Gigabit)/Yes	Kinnereth R/Yes	Kenai II CSA (Gigabit)/Yes	Kenai II CSA (Gigabit) / Yes	Kinnereth-R (footprint)	Kinnereth-R/Yes	Kinnereth-R / Yes	Kinnereth-R (footprint)	Kinnereth-R / Yes	Kinnereth-R / Yes	Realtek footprint/No	Kinnereth-R / Yes	Realtek 8100C footprint	Realtek footprint/No	Realtek footprint/No
Dual BIOS S.T.R.	Y	Y	Y	Y	Y	Y	Y	N	N	Y	N	N	N	N	N	N	N	N
COM2/Front Audio	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
MS/SD/MMC/SCR	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
IEEE 1394	N	Y	Y	Y	Y	Y	Y	N	N	Y	N	N	N	N	N	Y(T11394)	Y (by optional daughter card S1394)	N
Remark	6 Dual Bundle DPS2	6 Dual Bundle DPS2				6 Dual Bundle DPS2											Supports FSB800 Hyper-Threading	Supports Hyper-Threading
<p>*Note 1 : (1) Promise (PDC20276) supports RAID 0, RAID 1 (2) GigaRAID (IT8212) supports RAID 0, RAID1, RAID 0+1 (3) Silicon Image (SII3112A) supports SATA RAID 0, RAID1 (4) Intel ICH5R supports SATA RAID 0 (5) Via 8237 supports SATA RAID0, RAID 1, RAID0+1 (6) Sis964 supports PATA&SATA RAID 0, RAID 1, RAID 0+1</p>																		

