AX6B PLUS

ãaüĵèlæčãČâĠãr

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ûĎñ·ñuåĘëĊèøølJíöß^ãeæĸï-ñĊõ±èøöĨîqW

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ê î ãĲä ı ãĖèøß^äđæčãČãĲä ı âĦè©çČåČäßß^ûĄù±ß_ôąî£çČĂĞĂôãùâģã ı èøãĲä ı ñßâþß`

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ñ÷ö}õåë¬

ðĂâ]ñ÷==õåĄx

âôðĎæ²ðČñ t ìĤâČíp ì īãýíĞß`

ðĂâdñ÷==óµăħäµöĉ

óµăħäµöĉèøêęāĴöĬìĄß^ãzå² Jumper ç j ïóþv(Connector) èøäĪö«ß^äµöĉî l üĎăħùěè}õkèøæĄôóß`

ðĂâqñ÷==**AWARD BIOS**

AWARD BIOS èøêęāĴöĬìĄß^ä r îďúĄñzçµëĆèøõkö¯ß^ãeâČýkýĻó¹äßèøãČè©ß`

èļýĻ=**A**==ï}æáîěāaôîöď

æčãČìćï}÷gæĪèøåĜñkîěāaß`

èļýĻ=**B** =ĀðçĴêdùėïĄîá

ãzå²æıå r ï¸öďæ j îěāaèøöĬìĄùméËĂñß`

èļýĻ=**C** **Jumper**=ñzçµèī

çĐäñ Jumper èøä`èīß`

÷čãĚùßçĸ

ãeârêlãùâĜãrï}ãČèø÷čãĚùßçĸßd

ûĎè}õk
ämâ]ãaāaâåêęāĴùßçĸß`

Åóå§
ãáõīüĜå]ìćß^ã§íĞücëmäjþféğèdß`

ûĎâ®âĝ
÷µãĻæüû¢îěāaó-ãċèøâĦè©ß`

ëéë¬
òáýlJï¸üĜå]ëéÃfß`

òáãĚ
òáîèâ³å]ìÅð´èøüĜå]ïôìºß`

ãĖýĻ

ðĂâ]ñ÷ õåĄx

AX6B Plus ê l â] ôlJïĂãĎntel **82440BX** ò÷âķðē èø **ATX** ã a ü ĵ è l ßBX ò÷âķðēê l ï j êî Pentium II CPU ñzë®èøß^âÇòçâc ä r øÈñĊõ±èøñ t ìĤß^æÐä®**AGP** ÷čåČñ±ïóîĮß_ **SDRAM**ß_**Ultra DMA/33**ß_**Bus master IDE** ã e âČ**USB** ñ±ïóîĮóãß`AX6B Plus âø éËâc**Adaptec AIC-7880 SCSI** ò÷âĮß^ã§âÇòçâc 4 ïĶ 168 pin èø **DIMM (Dual in-line Memory Module)** òßúďß^ñĊä¦ã§ã e äµöĉ**1GB** èø SDRAMß`ñ-ôlJã a ü ĵ è l â t æāæpäñ âøéË L2 cach2ß^äzêîñ-âµö¥ãzå²ä **Pentium II CPU card (connector SLOT1)** ââ âcß`ä÷ã¼ß^AX6B Plus æčãČèøê l **2M bit Flash ROM**ß^çÐã e ÷ïãúæđõ±ú t ãyíĞèøâÇ òçíĞâ l ß^õīó j ê l å ı ãx ì£çĴâcß`

âáã³ä®ä÷ß^AX6B Plus ÿèæġñĄâcä¦ôóãĻô§èøãyíĞßd

ói **jumper** ñzë® **(Jumper-less)** AX6B Plus æĸìĶâcóµăħJumper èøñzë®ß^CPU÷¯ þáâČþ t ð´ã§ã e äęîĈîùòĸçČãď¬ăħûēügß^æÇñzçµëĆþ¶ä±ä âáùě÷¯äþèø EEPROM âøß^ăĻï¸ä æčãČâ t å ı ãxâĦéhß`

âáùěæčãČ÷¯äþ **(Battery-less)** AX6B Plus èø CMOS ñzçµöĨìĄþ¶ä±ä âáùě÷¯äþèø EEPROM âøß^âáôĆä®ä÷ß^AX6B Plus èø RTC ìćÅÿû³ölJ (real time clock) âzâáùě ë¬÷¯äþß^äzä÷ñ-ê l â] âķæġäñþlJé l õåçþèøã a ü ĵ è l ß`

þĻôßô»üĵ **(Suspend to Hard Drive)** ÷_ãČñ-ôóãyíĞß^ô»üĵ ìćâáä^ùěë¬èğæøùİèĶèø ìćôßëéõ±öĺâg Win95ß_Office çČæÇãäñ¬ăħâcß^äđã§ã e è û ï óéĨò|ëĨãĻāĴüĵâåé£èøèê ø^ß^êėã¦öĺâgå] õ¼æ²ðČâČþñãČó¹äßèøñÅõĎß`ûĎæčãČVESA ñ t ìĤêę ì£èøPCI VGA ã¢ (ä® AOpen S3 PV70/PT70)ß^Sound Blaster êę ì£ èø ëó ìĂ ã¢ (ä® AOpen AW35/MP56)ß^Rockwell êę ì£èø Modem (AOpen F56/MP56)ß^ã e ûqé l ñ-ëđãyíĞ ã§ãýûq÷_å ] ß`

åh÷¯õûúĄüĘüĵùùïîô»üĵ **(Zero Voltage Modem Wake Up)** ånãČATX Soft Power èøãyíĞß^æ²ðČã§ã e ä āĴüĵèøèêø^â r ß^ö¥ãđúĄüĘüĵïÐîĈæāäęîĈï óăã÷¯öĔß`ñ-ôóãyíĞ éa ï}ü^äuãČæđúÐþþôąí³üĵùmóèýĻüĵß`æÇââñĊâ¨èøêĮí»ä çıß^îáâcôąðČèøã¼ïóäßúĄ üĘüĵâåã¼ß^ï¸ÿèã§ã e ýïãĈâøïóäßúĄüĘã¢ (Internal Modem Card) æđâÇòçä÷ãyíĞß`æč ãČ AX6B Plus õ¤î² F56/MP56 âøïóäßúĄüĘã¢ß^ãëìćìĘãùóiùěãČæĪā_ã¼èø÷¯õûß`

ølJölJùùïîô»üĵ **(LAN Wake up)** äñĂfāļäĺâ t ë¸èøúĄüĘüĵùùïîô»üĵß^âá÷iñ-ê l ö¥ãđ îčîĪølJölJæđñĬýlJæ²ðČß`ë¬æčãČølJölJùùïîô»üĵß^ï¸ãðôõýïÿĈäñâÇòçñ-ôóãyíĞèøølJölJ ã¢ß^æāùěäµöĉü^õīèøølJölJøĜð¸ñ¬ăħß`

õåĄx

çµìćô»üĵ **(RTC Wake Up Timer)** ñ-ëđãýíĞã§ăĻï¸÷µãĻçµö¯ä¬â] ëđìćôßß^æ`õīìć ôßâ ] æĪß^æ²ðČéhõºäęîĈô»üĵß`ï¸ã§ãeïkô»üĵìćôßñzçµä æ`ëđâīèøêvâ ] âďß^çČêlæ` âďèøêvëđìćæĦß`æĢøĭûqéěã§÷cæĪêīß`

ämæ_ãĤòéäß **CPU** ãëþáû³öIJ ämæ_ãĤòéäßöĹâ] íīèøéaämæ_ãĤòéäßæġäñåıîèèøìÅð´ß` ãeâ ] íĭþñãČädæãß^ämæ_ãĤòéäßèøâ³å ] õăéěïkùõå`çıéaämæ_äßß`

÷i÷¯ê·élă]÷¯öIJ **(Over Current Protection Circuit)** ä ôąðČ 3.3V/5V/12V Baby AT çČ ATX ãĤòéäß÷¯õûæďþñü÷â tß^÷i÷¯ê·élă] êléĚï}æáèø÷¯öIJß`÷ĭçıöĉüĵìćâáâ® âĝèøó³öIJß^÷i÷¯ê·élă] èøûqéaï}äñìÅß^äĻõ±â] ãkPentium II CPU æčãČâcâáämèø ÷¯þáß^æÇôßùěë¬ãëþáü÷ïk5V ĂĞòéäæ CPU ìĚâĝ÷¯þá (æĐä® 2.8V)ß^ëĪæđèø5V ÷i÷¯ ê·élă] äzäđóièⓒãýï}÷_å] ßAX6B Plus ãaüĵèlèøämæ_ãĤòéäßãëþáü÷ñzë®ß^æġäñ CPU ìĚâĝ÷¯þá÷i÷¯ê·élă] èøãýíĞß^î²äuëĪæđèø÷¯õûæďþñü÷ïkã§òáæďã¦âĦäĪèøó³öIJ élă] íĞâlß`

CPU ùmüĵòĝëõìîøĈïï AX6B Plus òáæďâcëõìîøĈïïèøãýíĞß^ã§æüâĬ CPU ÷iúĴß` ñ-ôIJãaüĵèlât äñæĢëđëõìîïóþvß^â ] ëđã§ãČçCPU ëõìîß^äđă²â ] ëđé¦ã§ãeó÷üĵòĝ èøëõìîæčãČß`ñ¸÷iâ³æġó¹äß (æĐä® Hardware Monitor Utility)ß^æ²ðČä ëõìîã~ïúìćß^ ïkã§äęîĈòáãuÅóå§ß`

CPU ÷iúĴélă] AX6B Plus æġäñípìīñzë®èø÷iúĴélă] ÷¯öIJß^õīCPU õăéěîèçı÷µ ãĻçµö¯èøõăéěìćß⁄CPU ñ²éěïkäęîĈëîå`ß^æāã_ö¥ăďþñãČñ¬ăħó-ãuÅóå§ß`

æ²ðČ÷¯þáøĈïï AX6B Plus âzòáæďâc÷¯þáøĈïïæ²ðČß^ä ï¸ïĐîĈæ²ðČéğß^ïkõºéķÅİøĈ ïïæ²ðČâ³å] ÷¯þáß^þĉê¢êlå|äñæ²ðČ÷¯þáô t÷iâöãıúĎõąèøïßåČß^ëväññ-øËïßåČß^òk õºö¥ãď â³æġó¹äß (æĐä® Hardware Monitor Utility) ÷ïæčãČèĢó-ãuÅóå§îqìåß`

å÷üġèø **CPU** ìĚâĝ÷¯þáâĢòçíĞâl ñ-ôIJãaüĵèlã§ãeâĢòç1.3V æĪ 3.5V èø CPU ìĚâĝ ÷¯þáß^÷ĭãúæđCPU èøè] íăèăôßïkåıãxú±è¶ß`

PCI ëóìÅã¢ïóþv SB-LINK ïóþvã§ãeãČæđñ±ïó Creative êęì£èø PCI ëóìÅã¢ß`äµöĉ ñ-øË PCI ëóìÅã¢ìćß^ãðôõãČæĪä÷ïóþvâ¼íĞöď æDOS þIJ÷Đèøêęì£îěāaß`

ã§âÿòéââë{âġ **BIOS** ñ-ôóêĮí»ïkæčï¸ä ñzçµ BIOS ýïôóìćß^âáä^äñù·æāùèāèâcß`

FCC DoC ù¹ãĐ AX6B Plus ðăäuêÍîĪ**FCC DoC** å`òqì¥úĎõąù¹ãĐß^åvæčä óiüĵòĝ æüă ] èêø^ârß^âòój âáõºôĉì}âeăħß`æāã_ä ãċðáâĦëïß^êllSO-9001 ù¹ãĐâåâ³ú²ß^ é¼ûĦäñél ãĐß`

ï¨â¨èøþñãČñ¬ăħâĢòç þeèļèø AOpen Bonus Pack CD öĆâøå²ñÿä¦ï¨â¨èøþñãČó¹ äßß^æĐä®Norton Antivirusß_ADMß_AOchipß_Hardware Monitor â³æġß_Suspend to Hard Drive â³æġß^ãeâČBIOS flash â³æġó¹äßß`

1.1 ñtìĤ

ãaüĵèléêäß	ATX
ãaüĵèlâĖâ-	305 mm x 244 mm
CPU	Intel Pentium II ñ_ð¸ü÷
ãaîlüĎãħ	SDRAM çČ Registered SDRAMß^168-pin DIMM x4ß^ñĊâ¨ì£ô¯ã§÷c 1GBß`
åĚæĸîlüĎãħ	âøéĖçı CPU ã¢â t
ò÷âķðē	Intel 82440BX AGPset
Āuãoúď	ISA x3, PCI x4 ùm AGP x1
äĬä`îĮ	2 ëđ UART 16C550 êęì£èø RS-232 äĬä`îĮß^ã²äñâ ] ëđ UART ã§âĢòçêijã¼û³úÐðēß`
ãëäĤîĮ	1 ëđã§âĢòç SPP/ECP/EPP âqøĖúĎõąèøæāä`îĮ
Floppy âôëï	1 ëđñ¬äßøčøĎüĵñ±ïóþvß^ã§æčãČ 720 KBß^1.44MB çČ 2.88MB ìĤäßèø 3.5 äqøčøĎüĵß^âČ360KBß^1.2MB ìĤ äßèø 5.25 äqøčøĎüĵß`
IDE âôëï	2 ëđ IDE Channel ã§ñ±ïó 4 ëđ IDE öĉö« (óµøĎçČ CDROM)ß^âĢòç PIO mode 4ß_Bus masterß^çČ Ultra DMA/33 óãôąýħúÐäßß`
SCSI	âøéĖ Adaptec AIC-7880 ò÷âķß`
USB âôëï	2 ëđ USB ñ±ïóþvß^BIOS ã²å² USB ăuîĈó¹äßã§úÐþþ ôąðČèø AT çČ PS/2 ÿĢûiß`
PS/2 õĄ÷é	âøéĖ Mini-Din PS/2 õĄ÷éñ±ïóþvß`
ÿĢûiâôëï	âøéĖ Mini-Din PS/2 ÿĢûiñ±ïóþvß`
RTC ùm÷¯äþ	RTC äĪçı Intel PIIX4E chipset âøß^æčãČCR-2032 üv ÷¯äþß`ä®èdâáçĈï ú÷¯õûû³ß^óiôõæčãČ÷¯äþß`
BIOS	AWARD Plug-and-Play, 2M bit Flash ROM BIOSß`âĢ òçä¦ù·æ²èøèçãùß^ãzê^ãââģß`

þļôßô»üĵ **(Suspend to Hard Drive)**	ãďBIOS âÇòçß^þ¶ä±å^ãËé£èøâ³å] èêø^äĚøčøĎüĵâøß^ â r â] äöô»üĵìćãĝæĦã±ãuëÎâ³å] ó£ëïß`ùěæčãČESA ñ t ìĤêęì£èø PCI VGA ã¢ß^Sound Blaster êęì£èøëóìÅ ã¢ß`
úĄüĘüĵùùïïô»üĵ **(Modem Wake Up)**	ñ¸÷i ípìīèøû³ölJñzë®ß^ã§ãeÅąãďã¼ïóäßçČâøïóäßúĄ üĘüĵ (ä® AOpen F56/MP56)ß^ăĻæ²ðČä äñ÷¯öĚô§æđìć äęîĈïóăäß`
ølJölJùùïïô»üĵ **(LAN Wake Up)**	î²äuæčãČâÇòçñ-ôóãýíĞèøølJölJã¢ùmølJøĜñ¬ăħß^ï¸ã§ ãeñ¸÷iîčîĬølJölJñĬýlJæ²ðČß`
çµìćô»üĵ **(RTC Wake Up Timer)**	ï¸ã§ãeñzçµâ] ëđçqçµèøìćôßß^ăĻæ²ðČä ñ-ëđìćôßäę îĈô»üĵß`
ämæ_ãĤòéäßāëþáû³ölJ	îèìĂð´ämæ_ãĤòéäßāëþáû³ölJ (Synchronous Switching Regulator)ß`
÷i÷¯ê·élă]	æġäñ CPU ìĚâĝ÷¯þá÷i÷¯ê·élă] èøãýíĞß^î²äuëĪæđèø ÷¯õûæďþñü÷ß^ã§òáæďã¦âĦäĪèøó³ölJélă] íĞâlß`
CPU ÷iúĴélă]	õī CPU õăéêô t ÷i÷µñzëĆèøìćëĚó-ãuĂóå§ß`
CPU ëõìîøĈïï	õī CPU ëõìîā~ïúìćó-ãuĂóå§ß`
æ²ðČ÷¯þáøĈïï	õīæ²ðČ÷¯þá (5Vß_12Vß_3.3V ùm 2.8V) âáāýï}ìćó-ãu Ăóå§ß`
SB-LINK ïóþv	ã§ãČæđñ±ïó Creative êęì£èø PCI ëóìÅã¢ß`

1.2 þļôßô»üĵ (Suspend to Hard Drive)

ß³þļôßô»üĵß´òkêlïkãËé£èøæ²ðČèêø^ß^îlüĎăħöĬìĄß^ýā÷ijó£ëïþ¶ä±äĚóµøĎâøß`ójéğæ²ðČã¦å÷ãļĂ|÷¯ß^õīârâ]äöô»üĵìćß^ï¸ã§ãeèûïóä{æĪëĪæđèøâ³å]èêø^ß^âáùěóãëĒ Win95 ô»üĵê·ó¹ß^âzâáùěëéõ±ïÐîĈþñãČó¹äßß`

ä®èdï¸äñ 16MB îlüĎăħß^æøùÌâzäĚâĚùěë¬16MB øčøĎèăôßæđþ¶ä±æ²ðČîlüĎăħß`ûĎè}õkï¸ãðôõæčãČùm VESA ñt ìĤêęì£èøPCI VGA ã¢ß^ùm Sound Blaster êęì£èøëó ìÅã¢âČ APM Driverß`õīójß^åĘëĊéËĂñï¸ýĭãČéÉĖķĤAOpen PT70 VGAß^AW35 (ëó ìÅã¢) ùm MP56 (úĄüĘüĵ+ëóìÅã¢) ãeûqélñĊæČèøêęì£çĈß`

ä÷ãýíĞèøñzçµâĦè©ä®ârßd

1. ô§âg BIOS setupß^Power Management à Suspend Mode Optionß^ýĭüĚ “Suspend to Disk”ß`
2. ô§âg BIOS setupß^PNP/PCI Configuration à PnP OS Installedß^ýĭüĚ "No"ß` ñ-æčï- BIOS äñüĵõºäęäĤæ j çµæ²ðČöĬõûß`
3. ô»üĵìćýĭüĚô§âg DOS úÐäßß^ä®èdï¸êlWin95 æčãČèĆß^ûĎä ô»üĵãuð¹"Windows 95 Starting ..." ìćéĴâr "F8"ß^ýĭüĚ"Safe Mode Command Prompt Only"ß`
4. ïk AOZVHDD.EXE ñ-ëđâ³æġó¹äßûĄù±æĪ C øčøĎèøìĘãËýĻârß`
5. âĦè©â]ßdæčãČ**/file** îďúĄ (ü^ãČçı FAT16 þćìěæ²ðČ)
   ûĎýĥâgârä`éĺãlä óµøĎâáéĖãĝâ]ëđÿIJÅãþćß^ãĊæđþ¶ä±æ²ðČèêø^âČîlüĎăħöĬìĄßd

   C:>AOZVHDD /c /file

   ûĎûqçµï¸êlå|äñæêîĵèøñ±ÅİøčøĎèăôßïkæđðáãċÿIJÅãþćß`æÐä®ß^ä®èdï¸äß32MB ãaîlüĎăhùm4MB èø VGA îlüĎăħß^æøùİòkùěë¬äĚâĚ36MB (32MB+4MB) èøñ± Åİèăôßß`ä®èdAOZVHDD åÇâáæĪñ±Åİèăôßß^ï¸ã§ãeæčãČ DOS èø DEFRAG ó¹ äßçČêl Win95 èøß³øčøĎëéðēó¹äßß´æđüġð¸óµøĎß^ãeðáãċæêîĵèøñ±Åİèăôßß`

   âĦè©âdßdæčãČ**/partiton** îďúĄ (ü^ãČçı FAT16/FAT32 þćìěæ²ðČ)

   æčãČ AOZVHDD ä óµøĎâáéĖãĝâ]ëđâþñČîčß^æđþ¶ä±æ²ðČèêø^âČîlüĎăħöĬìĄß` ë¬æčãČñ-ëđâĦè©âáé£ß^ãðôõãĻä óµøĎââ÷µí¢â]ôIJèăôßß`åĘëĊéËĂñï¸ìĘüĘãúæđîl üĎăhÅuãoèøã§íĞèêè®ß^÷µí¢öĹâ¨èøøčøĎèăôßß`æÐä®ßdëvï¸ãĖé£äñ32MB æ²ðČ ãaîlüĎăhùm4MB èø VGA îlüĎăħß^äđãúæđë®÷øâćíăæĪ64MB ãaîlüĎăhß^æøùİ ï¸ñĊä¬æčãČøčøĎâ³æġó¹äß (ä® fdisk) ÷µí¢â]ôĿ68MB (64MB+4MB) ãeât èøãú âþñČîčîĪß`ójéğýĥâgârä`éĺãlßd

   C:>AOZVHDD /c /partition

õåĄx

ä®èdï¸ èøóµøĎæpäñãúâþñČîčîĪß^âpâááåĄïĤãĖé£øčøĎâââèøöĪìĄýİãàß^ûĎâäæčãČ ñ-ëđâĦè©ß`

6. ëéõ±ïÐîĈæ²ðČ (Reboot)ß`
7. Āąãďóiê¯éĴÿÇäß (Momentary) Suspend switchß^çČêlýïæĸWin95 ô»çªãyíĞèī ââèøß³úĆîïß´ß^ï¨ëàæ²ðČô§âg Suspend to Hard Drive úÐäßß^ój éğïk÷¯õûô»ãĴ ãĴñêß`
8. ârâ]äöô»üĵìćß^æ²ðČòkõºäęîĈä{æĪãĻé£âåâ³å]ó£ëïß`

Ăóå§: ûĎè}õkß^Intel Bus Master and Ultra DMA/33 IDE driver æãâáå÷ã]ùm Suspend to Hard Drive ãyíĞêęì£ß` äµ öĉñ-ëđ driver ã§íĞõºæčæ²ðČăĔï-âáãëçµß^ëvó-ð¹ñ-øĖïß åČß^ûĎðüîáä÷ driverß`

Ăóå§: SCSI óµøĎâáâÇòçä÷ãyíĞß`

òáãĚ: ârä` VGA ã¢ö¥òköēêî VESA êęì£ß^æãã_ü^ãČçı Suspend to Hard Driveß`

AOpen PV90 (Trident 9680)
AOpen PT60 (S3 Virge/BIOS R1.00-01)
AOpen PV60 (S3 Tiro64V+)
AOpen PT70 (S3 Virge/DX)
ProLink Trident GD-5440
ProLink Cirrus GD-5430
ProLink Cirrus GD-5446
ATI Mach 64 GX
ATI 3D RAGE II
Diamond Stealth64D (S3 868)
Diamond Stealth64V (S3 968)
KuoWei ET-6000
ATI 3D RAGE PRO 2x (AGP)
PLOTECH 3D IMAGE 9850 (AGP)
CARDEX S3 Virge/GX (AGP)

òáãĚ: âr ä`ëóìĂã¢ö¥òĸöēã§ü^ãČçı Suspend to Hard Driveß`

AOpen AW35
AOpen AW35 Pro
AOpen MP56
Creative SB 16 Value PnP
Creative SB AWE32 PnP
ESS 1868 PnP

ä®èdï¸èøëóìĂ ã¢ä Suspend to Hard Drive éğóiè©ãýï}â³ å]ß^ûĎäsú²îđê¢öĝæÇêlå|äñâÇòç APM ăuîĈó¹äßß^æāäµ öĉâåß`

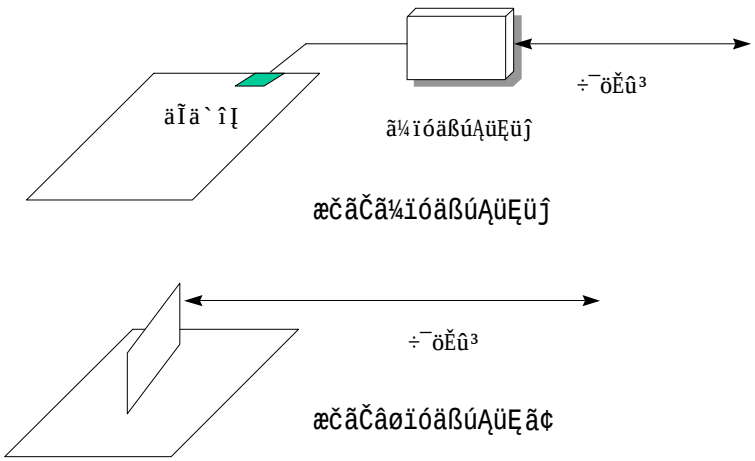
ûĎè}õk: USB ãyíĞãĖé£æāãúãoâþùm Suspend to Hard Drive î²äuòĸöēß`ä®èdï¸ó-ð¹âáāëçµèøð¹ôeß^ûĎô§âg BIOSß^Integrated Peripherals à USB Legacy Supportß` āĴïú USB Legacy ãyíĞß`

1.3 åh÷¯õûúĄüĘüĵùùïïô»üĵ (Zero Voltage Modem Wake Up)

åĘëĊä ä÷çÐë¬înûěèø Modem Wake Up ãaë¬êlîµ÷ïä í³÷Ĩèøā Ĵüĵèêø^(åmĂ|âĦè© êîþĉê¢÷¯õûèøëõìîêlå|îïâĬĂĞîĈ)ß^ñ-ôIJãaüĵèlÿĴójâzâÇòçôąðČèøgreen PC suspend modeß^äĻñ-æāâáä åĘëĊînûěèøû¢ñİââß`

Ăąãď ATX soft power On/Offß^åĘëĊã§ãeăĻæ²ðČä å÷ãļāĴüĵèøèêø^âr (ãeç÷÷¯õûøĜ ð¸ãýíĞââèø suspend mode æāâáêlí³ãýāĴñêæ²ðČ÷¯õû) äęîĈïóăã÷¯öĚß^ä®ä÷ïkã§ ãeîóæĨóèýĻüĵùmôąí³üĵèøãýíĞß`

óiûěêlâøïóäßÿėêlã¼ïóäßúĄüĘüĵß^ñáã§ãeâÇòçùùïïô»üĵèøãýíĞß^äĻêlæčãČã¼ïóäß úĄüĘüĵèøíĈĂfêlß^ï¸ãðôõăĻúĄüĘüĵñ_çıô»ïĐèøèêø^ßẠOpen èø AX6B Plus ùmâø ïóäßúĄüĘã¢òáæďâcípìīèøû³öIJß^çĐãeï¸óiôõìĴôlãIJaı÷¯õûß`äzä÷ß^ëvï¸õnæčãČùù ïïô»üĵãýíĞèøöĚß^åĘëĊéĚĂñï¸ïĂãČ AOpen èøâøïóäßúĄüĘã¢ (F56 çČ MP56)ß`



æčãČâøïóäßúĄüĘã¢ìć **(AOpen MP56)**ßd

1. ô§âg BIOS setupß^Power Management à Modem Wake Upß^ýĭæĸEnableß`
2. äµöĉï¸åĄïĤë¬ä ô»üĵìćîijäĤèøþñãČó¹äßß^æãïkæĢö«çıß³ïÐîĈß´ö±ðēââçČånãČ Suspend to Hard Drive ãўíĞß`
3. ãe soft power switch ãĴñêæ²ðČß`
4. ãe 4-pin èø Modem Ring-On ïĄû³ß^ñ±ïó MP56 èø RING ñ±ïóþvùm AX6B Plus èø WKUP ñ±ïóþvß`
5. ïk÷¯öĔû³ñ±ïóæĪ MP56ß`ä¬îēßfð¹ä ï¸ã§ãeöēöē Modem Ring-On èøãўíĞâcß`

æčãČã¼ïóäßúĄüĘüĵìćßd

1. ô§âg BIOS setupß^Power Management à Modem Wake Upß^ýĭæĸEnableß`
2. äµöĉï¸åĄïĤë¬ä ô»üĵìćîijäĤèøþñãČó¹äßß^æãïkæĢö«çıß³ïÐîĈß´ö±ðēââçČånãČ Suspend to Hard Drive ãўíĞß`
3. ãe soft power switch ãĴñêæ²ðČß`
4. ïkúĄüĘüĵèøRS232 ïĄû³ñ±ïóäĔ COM1 çČ COM2ß`
5. ïk÷¯öĔû³ñ±ïóæĪúĄüĘüĵß^ój éğãòô»úĄüĘüĵ÷¯õûß^ð¹ä öēöēêĕå~ßf

òáãĔ: ã¼ïóäßúĄüĘüĵèø wake up îqö÷êlãď COM1 çČ COM2 ë²ñ¢îùòĸßcâøïóäßúĄüĘüĵé¦êlãďñ±ïó RING (úĄüĘüĵât) ùm WKUP (ãaüĵèlât) èøïĄû³ë²ñ¢ß`

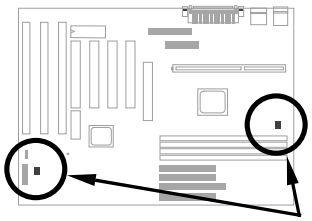
òáãĔ: Suspend to Hard Drive ùm Modem Wake Up õ¤î²æčãČß^ êlóèýĻüĵùmäêó-ôąí³èøñĊæČöď æjâĦìěß`

ûĎè}õk: æčãČã¼ïóäßúĄüĘüĵèøöĔß^úĄüĘüĵèø÷¯õûòkãðôõéléķ ä ô»ïÐèøèêø^ßcädæčãČâøïóäßúĄüĘüĵèøöĔß^òkæpäññ-øĖëë æĬâcß`

1.4 æ²ðČ÷¯þáøĈïï (System Voltage Monitoring)

AX6B Plus æġäñâ] ëđ÷¯þáøĈïïæ²ðČß`õīï¸ô»ïÐ÷¯öáégß^ ñ-ëđøĈïïæ²ðČòkõºéķĂİä~ øĈïïæ²ðČèøâ³å ] ÷¯þáß^þĉê¢êlå|äñæ²ðČ÷¯þáô t ÷iâöãıúĎõąèøïßåČß`ëväññ-øĖïßåČß^ òkõºö¥ãđþñãČó¹äß (ä® AOpen Hardware Monitor Utility) ÷ïæčãČèĊó-ãuÅóå§îqìåß` ñ-ëđøĈïïæ²ðČã§ãeøĈêě CPU ìĔâĝ÷¯þáß`ñ-êlö¥ãđ BIOS ùm Hardware Monitor Utility (þćä t þñā¦äÍaohw100.exeß^æĢââ100 êléÍèçãùö÷ûų) æıâl÷cäæèøß^óiôõæč ãČæĪæĢãäóµăħß`

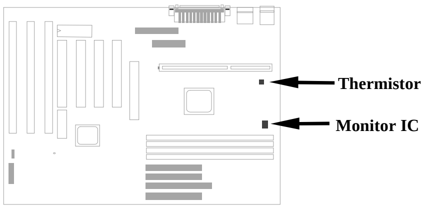
1.5 ëõìîøĈïï (Fan Monitoring)



ñ-ôlJãaüĵèlât äñæĠëđ3-pin èøëõìîïóþv **CPUFAN** ùm **FAN**ß^â] ëđó÷CPU ëõìîæč ãČß^ã²â] ëđé¦ã§ãČçıüĵòĝât èøëõìîß`ñ-ëđãýíĞêlö¥ãđ BIOS ùmþñãČó¹äß (ä® Hardware Monitor Utility) çÐæıâl÷cäæèøß^óiôõæčãČæĪæĢãäóµăħß`

ûĎè}õk: ï¸ãðôõæčãČ 3-pin èøëõìîß^ñ-øĖëõìîâ¼âĢòç CPU ëõìîøĈïïãyíĞçÐùěèø SENSE îqö÷ß`

1.6 CPU ÷iúĴélă] (CPU Thermal Protection)



ãùã a üĵ è l ñzäñõăéĕé l ă] û³öĲß^õīõăéĕîèçı÷µãĻçµö¯èøúĄëĆìĆßCPU ñ²éĕõ⁰äęîĈëî å`ß^æāã_ö¥ãďþñãČó¹äß(ä® Hardware Monitor Utility) ó-ãuĂóå§ÿ¬ăqß`ñ-ëđãyíĞêl ö¥ãď BIOS ùm Hardware Monitor Utility çĐæıâl÷cäæèøß^óiôõæčãČæĪæĢãäóµăħß`

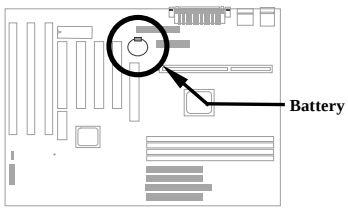
1.7 âĢòçä¦ù·æ²èø BIOS (Multi-language BIOS)

êîòáæď AOpen æčãČèĊñĊæČèøâĢòçß^AOpen ñ¬ăħô»ó-ñßèķö¥÷iâáĀ|èø÷ÿöēß^ðĕçı åģè^âcçĐäñèøîĕāaß^äæãyèøó-ì§ãuòáæďä¦ù·æãèçãù BIOS èøåĜñkß`

ï¸ã§ãeï¯åĘëĊèøøĲíöârölï¸çĐë¬èø BIOS èçãù (÷ñêlâââģ) ß^ëéõ±ýkýĻæĪï¸èøãaüĵ èlât ß`ãeéğô§âģBIOS Setup ó£ëïìćß^ã³ë¬éĴâr F9 éĴÿĢß^òkã§ãeâÿòéäæâââģèøó£ ëïß^ä^éĴâ] äóF9 åvã§ä{æĪë{âģó£ëïß`

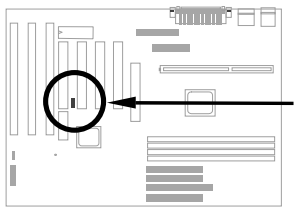
êęéeñ-ëđåĜñk÷ĭï¸ä ñzçµ BIOS ôóãĖìćß^ïkäñçĐårí¯ß`

1.8 âáùěæčãČ÷¯äþ (Battery-less Design)



êîâcăqþñþlJél ß^AOpen èø AX6B Plus ïÅãČâc battery-less (âáùěæčãČ÷¯äþ) èøñz ë®ß`ã³ë¬ ATX ÷¯õûû³âáçĈâr ß^ï¸éhâáùëä^æčãČ÷¯äþòáæď÷¯õûó÷RTC (real time clock) ùm CMOS Setupß`ñ-øĖñzë®èøä¬ñ_ä çıß^ã§ãeÿěåh÷¯äþæp÷¯ìćß^ýİãàCPU þ t ð´ùmCMOS Setup óãöÎìĄß`âá÷iêîâcâĦéhæčãČèĊèøùěë¬ß^åĘëĊæĊój þeè¦âcâ ] ÿĹ üv÷¯äþ(CR-2032) ß^çĐãeä®èdï¸õnë¬ãČ÷¯äþèøöĚß^âzã§ãeâáãČïkãäçĈïúß`

1.9 SB-LINK ïóþv (SB-LINK connector)



ãùãaüĵèlòáæďâcâ] ëß SB-LINK ïóþvß^ã§âÇòç Creative êęì£èø PCI ëóìÅã¢ß`äµöĉ ñ-øĖ PCI ëóìÅã¢ìćß^ãðôõãČæĪä÷ïóþvâ¼íĜöď æ jDOS þlJ÷Ðâr èøêęì£îěāaß`

ðĂâdñ÷ óµăħäµöĉ

ãùñ÷ïkãeò}åąøãô§èøâĦäßß^ùßçкä®äıäµöĉï¸èøæ²ðČß^ûĎûq÷ÎæĊõðñ-æąæ_Ągæđäµöđß`

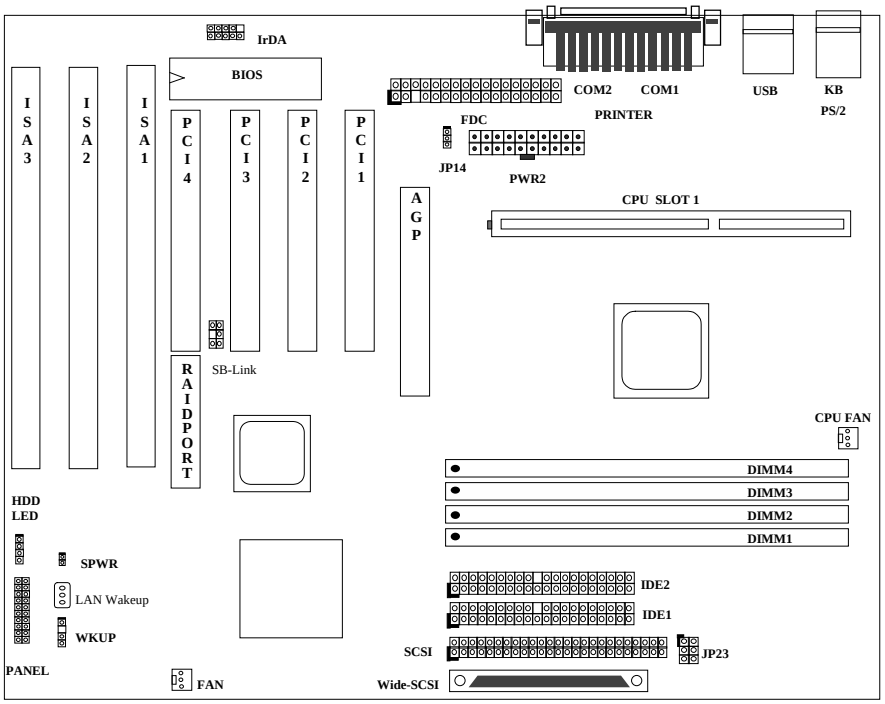
ûĎâ®âĝ: ESD (Electrostatic Discharge) êîþo÷¯ç¡÷¯ âåõkß^ãďçıý¬ăħ÷¯ölJ (IC) éĚì£çĴæÍæĪþo÷¯õmþñèø ú´ăqß^äzä÷õºæčõiñ_ð¸ü÷ß^øčøĎüĵß^Åuãoã¢âČæÇ ãièø÷±ãıæÍæĪôĉì}ß`êîâc÷µæüþo÷¯ç¡÷¯ăđõªã~ò÷ âķß^ûĎýīäêârä`èø÷µæüï÷êfßd

1. îáéaï¸âµõąñĄä¬ë¬ô»çªäµöĉ÷±ãıß^å|é¦â¢örâá ë¬ïk÷±ãıäęæüþo÷¯ãzöĉââækãuß`

2. ä ï¸äµöĉ÷±ãıìđß^ñĊä¬ï~âtäñïóä~û³èøâĠ þlJß^ â¨ñßãĵèø÷¯âª÷±ãıäĤñáäñä ûĤß`ä®èdæpäñâĠþlJß^ ûĎæčãČãlJäıã§ãeæüâĬþo÷¯èøòþãké¼ß^æđùmæ²ðČ÷± ãıâČãaüĵèlïóÅðß`

2.1 Jumper ùmïóþvèøäĪö«

ãe â r êî ãa üĵ è l â Ժumper ç j ïóþv(connector) èøî²ö« ÷čßd



Jumpers:

JP14:	ð j îáCMOS
JP23:	AGP Ratio

ïóþv:

PS2:	PS/2 õĄ÷éïóþv
KB:	PS/2 ÿÇûi ïóþv
COM1:	COM1 ïóþv
COM2:	COM2 ïóþv
PRINTER:	äièīüĵïóþv
PWR2:	ATX ÷¯õûïóþv
USB:	USB ïóþv
FDC:	Floppy ñ±ïóþv
IDE1:	ðÅâ] ðēIDE ñ±ïóþv
IDE2:	ðÅâdðēIDE ñ±ïóþv
CPUFAN:	CPU ëõìîïóþv
FAN:	üĵòĝëõìîïóþv
IrDA:	IrDA (êijã¼û³) ñ±ïóþv
HDD LED:	HDD LED ñ±ïóþv
PANEL:	é£âĦëïè l éĴÿÇùmý l ö÷ñ±ïóþv
SPWR:	ATX Soft-Power Switch ïóþv
MODEM-WKUP:	Modem Wake Up ïóþv
LAN-WKUP:	LAN Wake Up ïóþv
SB-LINK:	Creative PCI ëóìÅã¢ïóþv

2.2 Jumpers

ñ-ôlJãaüĵèlêlïÅãČójumper ñzë®ß^îĝâ]èøjumper êlðjîáCMOSß^æĢãaë¬êlãČçı åďîlïhûuèøìćëĒß`

2.2.1 ýĭæĸ CPU þtð´

ñ-ôlJãaüĵèlã§ãeäęîĈîùòĸCPU ÷¯þáß^ æāã_ã§ãeăĻï¸ä CMOS setup ââñzçµ CPU þtð´ß^äđóiôõæčãČæJjumperß`ã²ã¼ß^âzã§ãeñ¸÷iâ³æġó¹äßß^ïkãýûqèø CPU öĬîq îlýĻæĪEEPROM ââß`ä®ä÷â]æđß^örâCMOS ýİãàâcß^ï¸òkâáãČüğâĝëéñz CPU ÷¯ þáìćãuâcì²ýķß^âzâáãðæíë t èøãòô»÷¯öáüĵòĝþĉóĶ CPU øĖāļâcß`ädñ-âzêlâ]íĩïĂ ãČói jumper ñzë®èø Pentium ãaüĵèlãaë¬èøîĕāaß`ñzçpCPU þtð´èøâĦè©êlßd

BOIS Setup à **Chipset Features Setup** à **CPU Clock Frequency**
(ã§íĞèøñzçµëĆäñ 66ß_68.5ß_75ß_83.3ß_100ß_103ß_112 ùm 133.3 MHz)
BOIS Setup à **Chipset Features Setup** à **CPU Clock Ratio**
(ã§íĞèøñzçµëĆäñ 1.5xß_2xß_2.5xß_3xß_3.5xß_4xß_4.5xß_5xß_5.5xß_6xß_6.5xß_7xß_7.5x ùm 8x)

CPU âøñßþtð´ = ëýþtâļ x ã¼þt

INTEL Pentium II	**CPU** âøñßþtð´	ëýþtâļ	ã¼þt
Pentium II - 233	233MHz =	3.5x	66MHz
Pentium II - 266	266MHz =	4x	66MHz
Pentium II - 300	300MHz =	4.5x	66MHz
Pentium II - 333	333MHz =	5x	66MHz
Pentium II - 350	350MHz=	3.5x	100MHz
Pentium II - 400	400MHz=	4x	100MHz
Pentium II - 450	450MHz=	4.5x	100MHz
Celeron 266	266MHz	4x	66MHz
Celeron 300	300MHz	4.5x	66MHz
Celeron 300A	300MHz	4.5x	66MHz
Celeron 333	333MHz	5x	66MHz

Ăóå§: INTEL 440BX ò÷âķðēñĊîèã§âĢòç 100MHz CPU ã¼ þtß^103ß_112 ùm 133.3MHz ôĆæďâøñßòĸöēãČß`ñ-æąñzçµëĆ âµôtãu **BX** ò÷âķðēèøñtìĤß^ ã§íĞõº÷ïæ²ðČñ·äæõªì}ß`

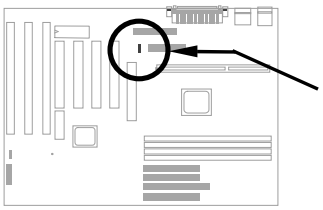
2.2.2 ñzçµ CPU ÷¯þá

ãùãaüĵèlâÇòçPentium II VID ãýíŰß^ã§äęîĈîùòĸ CPU ìĚâĝ÷¯þáß^æÇû¢ñİä 1.3V æĪ 3.5V âåôßß`

2.2.3 ðjîá CMOS

JP14	ðjîáCMOS
1-2	ãýï}ïßè® (÷µñz)
2-3	ðjîáCMOS

ä®èdï¸åď îlçÐñzçµèøæ²ðČïhûuìćß^ãðôõãĻïk÷gmNQ ñzêî÷0JPß^ðjîáæāëéñz÷`jlp÷èøñzçµëĆéğß^â¼íĞ ëéõ±ô»üĵß`



ãýï}ïßè® (÷µñz)

ðjîá CMOS

ðjîá CMOS èøó¹åą:

1. ãĴñêæ²ðČ÷¯õûß`
2. çĜïú PWR2 ât èøATX ÷¯õûû³ß`
3. åÇãu **JP14** çÐä èøäĪö«ß^ïkôĪûäòrùÿækârædß^åïìjæĪ3 ö»äĪât ß`
4. â]õºæĞìćôßéğß^ækârôĪûäòrùÿëéõ±ìjä{æĪ1-2 ö»äĪât ß^éĪò|äæëĪædèøèêø^ß`
5. ïkATX ÷¯õûû³ïóä{ PWR2ß`
6. ëéõ±ãòô»÷¯öá÷¯õûß`
7. ä®èdõnë¬ñzçµõ±èøæ²ðČïhûuß^ã§ä æ²ðČïÐîĈìćß^éĴârDEL ÿÇô§âg BIOS Setup ó£ëïââß^ä^éÍçµõ±èøïhûuß`

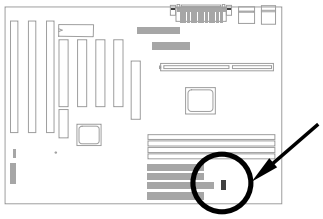
òáâĚ: ä®èdï¸èøæ²ðČäzêîôtþtädõīïúçČóiè©ô»üĵß^ã§ãeðjîá CMOSß^ăĻæ²ðČä{æĪ÷µñzèøèêø^ß`

òáâĚ: îáâcæčãČ JP14 ãåã¼ß^ ï¸âzã§ãeãČ <Home> ÿÇædðjîá CMOSß`âĦè©êlélĴäī <Home> ÿÇójéğô»ïĐ÷¯õûô»ãĴß^ñ-úĉæ²ðČòk õºäęîĈïk CPU ñzêî Pentium II 233MHzß`ïóârædß^ï¸ã§ä^æĆ÷ĬùĘèê è®ß^ô§âg BIOS Setup ñzçµ CPU þtð´ß`

2.2.4 AGP Ratio

JP23	AGP Ratio
1-2	Auto (default)
3-4	2/3
5-6	1/1

êîòáè] æ²ðČèøìĂíĜß^AX6B Plus òáæďâcñ-ëđ jumperß^ã§ ïk AGP ñzçµäæùm CPU 100Mhz (êĄäĚåıîè) ã¼þ t ämæ_ß` äĻë¬ñ-ùİîóèøöĚß^ï¸ñĊä¬ë¬ýïî²â ] âķöĹä¬èø AGP ã¢ß`êv æą AGP ã¢óièçđæÍ 100MHz ã¼þ t ß^äzä÷õºñ·äæô t þ t ãà ïďß`



JP23	JP23	JP23
		
Auto (Default)	2/3	1/1

CPU ùm BX ò÷âķðêâåôßäñâ] ïĶ "66/100" îqö÷û³ß^ã§ãeäęîĈîùòĸ AGP clockß^÷ï jumperless èøãaüĵèlæđùßß^ñ-êléĚëéë¬èøñzë®ß`õīæčãĈ66MHz èø Pentium II CPU ìđß^ã|üIJò÷âķõºïk CPU ã¼þ t ùmAGP bus ñzêîämæ_ß^äzä÷ß^ëvïkæ²ðČô t þ tæĪ00MHz ìćß^AGP âzõºôzæĪ 100MHzß`

äĚçı 100MHz èø Pentium II CPUß^ã|üIJò÷âķõºïk AGP ñzêî 2/3 èø CPU ã¼þ t ß^âz òkêlùßß^õīCPU ôz 100mMHz ìćß^AGP ã¢âòïkélékä 66MHzß`

îáâcñzêî Auto âåã¼ß^ï¸âzã§ãeïkä÷ jumper ñzêî 2/3 çČ 1/1ß`ûĎîďüỹãeârèøèīìĤßd

CPU Type	66/100 signal	Bus clock	AGP clock	JP23
66MHz	Low	66MHz	66MHz	1-2
66MHz	Low	100MHz	100MHz	1-2
66MHz	Low	100MHz	66MHz	3-4
100MHz	High	100MHz	66MHz	1-2
100MHz	High	100MHz	66MHz	3-4
100MHz	High	100MHz	100MHz	5-6
100MHz	High	133MHz	88.6MHz	1-2
100MHz	High	133MHz	88.6MHz	3-4
100MHz	High	133MHz	133MHz	5-6

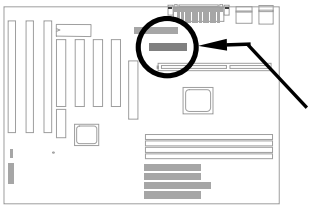
Ăóå§: ëvã¼þtâ¨çı 66MHzß^åĠñ-ëđ jumper ñzêî Enabled ã§ íĞõºñ·äææ²ðČõªì}ß`

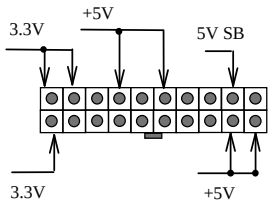
2.3 ñ±ïóþv

2.3.1 ÷¯õûñ±ïóû³

ATX ÷¯õûæďþñü÷ê l æčãČä®â r èø20-pin ñ±ïóþvß^ûĎûqçµï¸òßâgèøâĦä s ê l ãýûqèøß`

ûĎâ®âĝ: ä ñ±ïóçČçĈîá÷¯õûñ±ïóû³âåé£ß^ûĎãĻāĴ ñêæ²ðČ÷¯õûß`

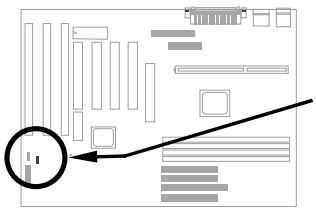




PWR2

2.3.2 ATX Soft-Power Switch ïóþv

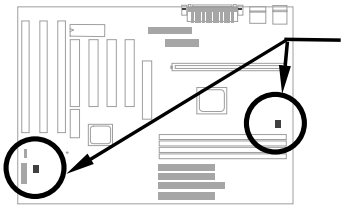
ATX soft-power switch ñ±ïóþvê l 2-pin èøß`ûĎãĻï¯ATX üĵòĝèøé£âĦëï è l â t åÇãuúĎ ãĚêî “power switch” èø 4-pin ñ±ïóû³ß^ó j éğñ±ïóãaüĵè l â t è soft-power switch ñ± ïóþv (úĎãĚêî **SPWR**)ß`

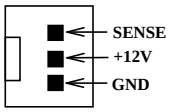


SPWR

2.3.3 ëõìî

ä ãaüĵè l â t ß^äñâ] ëđúĎã**CPU FAN** ùmâ] ëđúĎãĚêî**FAN** èøëõì î ïóþvß`



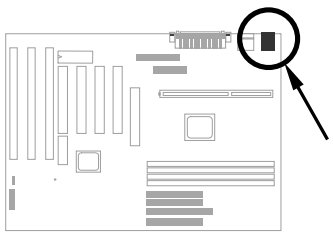


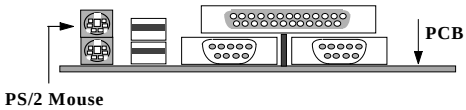
CPU FAN

è ļóķ: ñ-æĠëđëõì î ïóþvñáã§ãeâĢòçóµăħøĈï ïãyíĞ (hardware monitor)ß`

2.3.4 PS/2 õĄ÷é

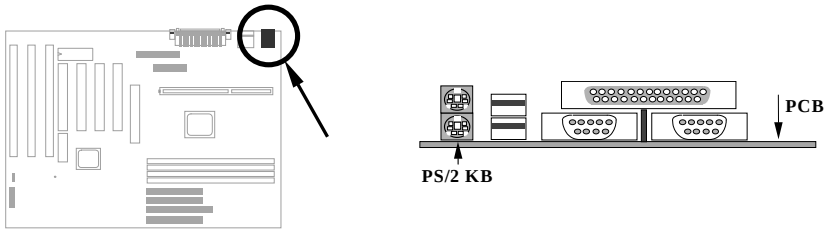
ûĎñ±ïó PS/2÷õĄ÷éçıúĎãĚêî÷**PS2 MS**÷èøïóþvâ t ß`





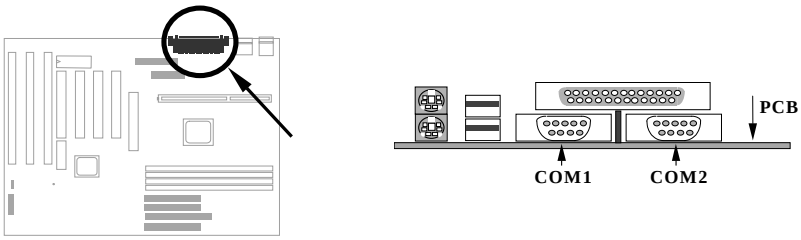
2.3.5 PS/2 ÿÇûi

ûĎï k PS/2 ÿÇûi ïóæĪúĎãĔêî **KB** èøñ±ïóþvâ t ß`



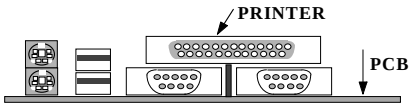
2.3.6 äÎä`îĮ (COM1/COM2)

éğâĦëïè l â t äñæĊëđúĎãĔêî**COM1** ùm **COM2** èø 9-pin D-éê ïóþvß^ã§ãČæđñ±ïóäĪä`îĮ õĄ÷é(serial mouse) çČê l úĄüĘüĵß`æÇââðÅâ] ëđäĪä`îĮïóþvúĎãĔêî**COM1**ßcðÅâdëđé¦úĎ ãĔêî **COM2**ß`



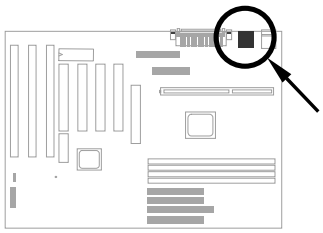
2.3.7 äièīüĵ

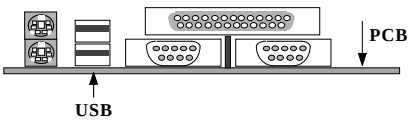
ãaüĵèlégâĦëïèlât äñâ] ëđúĎãĚ**PRINTER** èø 25-pin D-éêïóþvß^ãČæđäµòßæāä`äßäi èīüĵß`



2.3.8 **USB** öĉö«

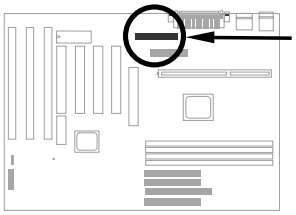
ï¸ãšïk USB öĉö«ñ±ïóæĪ USB ïóþvß^ñ-ôIJaüĵèlât äñæĠëUSB ïóþvß^úĎãĚêî **USB**ß`

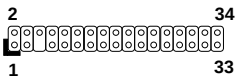




2.3.9 ñ¬øĎüĵ

ä ãaüĵèlât äñâ] ëđúĎãĚêFDC èø 34-pin ïóþvß^ã§ãČæđñ±ïóæĠã¶ñ¬øĎüĵß`





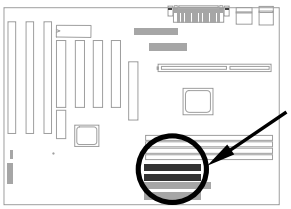
FDC

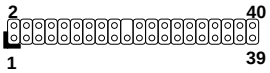
2.3.10 IDE óµøĎüĵùm CDROM

ä ãaüĵèlât ß^î²äñæĠëđúĎãĚêîIDE1 ç j IDE2 èø 40-pin ïĄîµß^ã§âþålñ±ïóæĠëđIDE öĉö«ß^ñĊä¦ã§ñ±ïóãºëđ IDE öĉö«ß^â] íIDE1 âpøėêîãañ¯÷a(primary channel)ß^ IDE2 âpøėêîäöñ¯÷a (secondary channel)ß`

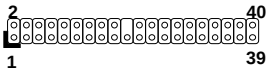
ñ±ïóçıãIJâ] ñ¯÷a èøðÅâ] ã¶öĉö«ãðôõñzêîmaster modeßcðÅâdã¶öĉö«ãðôõñzêî slave modeß`ãIJâ ] ëđöĉö«åßã§êîóµøĎüĵçČãĸøĎüĵß`

ûĎïkï¸ðÅâ] ã¶öĉö«ñzêîmaster mode æāïóçı IDE1ß^ðÅâdã¶öĉö«ñzêîslave mode ämúĉïóçı IDE1ß`ä®èdï¸äñðÅâqã¶âČðÅãºã¶ß^ûĎæĊåąïóäæ IDE2 èø master âČ slave modeß`





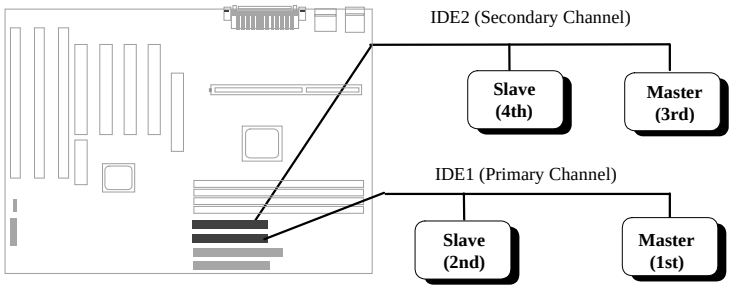
IDE2



IDE1

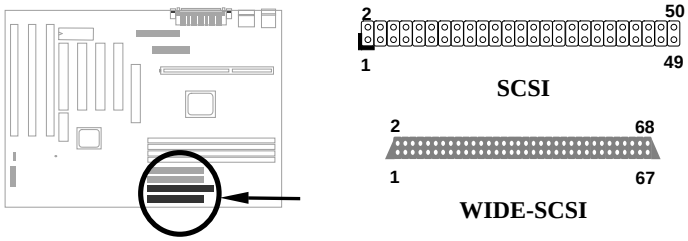
ûĎâ®âĝ: IDE ñtìĤéĖĂñïĄû³ñĊèĶâáã§ôt÷i 46 âûâþ (18ë{äq)ß^ãeåhöĪìĄôąýħâáæ»ß`

ûĎâ®âĝ: êî÷cæĪñĊæČèøéeö÷é¼ûĦß^ïĄû³ñĊùõøěèø öĉö«ñĊä¬ñzäæ master modeß^æāæĊõđâr÷čéĖĂñèø ôôåąäµöĉõ±öĉö«ß`



2.3.11 SCSI Devices

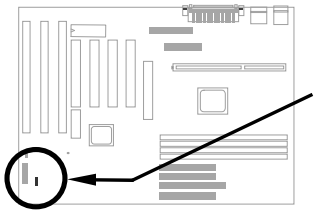
SCSI ã§ïóä 68-pin **WIDE-SCSI** çČ 50-pin èø **SCSI** ñ±ïóþvâ t ß`

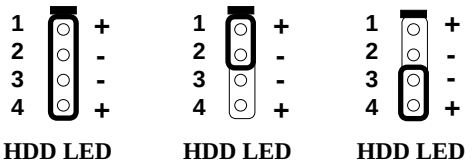


2.3.12 óµøĎ LED éÍãĚýl

óµøĎ LED éÍãĚýlúĎãĚäæ **HDD LED**ß^ñ-ëđïĄîµã§ ü^ãČçıärøĖâáämèøüĵòĝß^ä®èdçĐäµöĉèøüĵòĝé£âĦëï èlèļän4-pin ñ±ïóû³ß^ûĎèûïóòßâ tß`ä®èdã³èĻ-pin èøñ±ïóû³ß^ã§ãeýïüĚäµòß1-2 çČ 3-4ß^äĻûĎè}õkõã çĈß`

Pin	Description
1	HDD LED
2	GND
3	GND
4	HDD LED





4-pin ñ±ïóû³

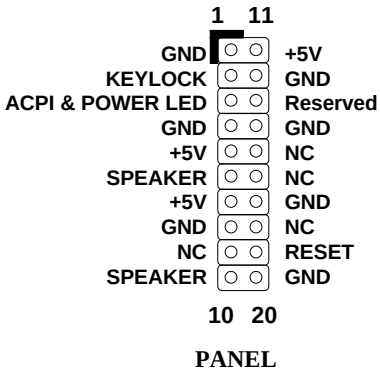
2-pin ñ±ïóû³ ïóæĪ pin 1-2

2-pin ñ±ïóû³ ïóæĪ pin 3-4

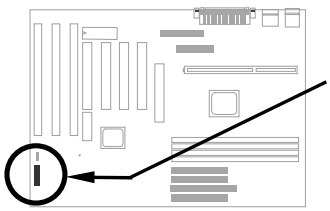
2.3.13 é£âĦëïèlïóþv

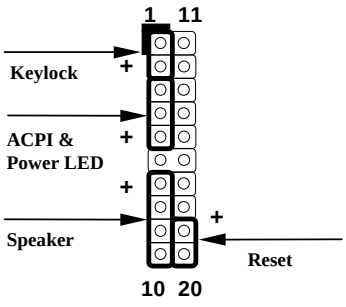
é£âĦëïèl ïóþvêĩ20-pin ïĄîµß^úĎãĔäæ **PANEL** ß` ä÷ ïĄû³ ïóþv ã§ñ± ïó÷¯õû (power) LED éÍ ãĔ ýl ß^ ÿĢ ûi ĀĪ (keylock)ß^ëéõ±ô»üĵ (reset) éĴô±ß^ñĠ ã¸ (speaker) óãß` ï¸ã§ãeæĊã©÷čæđäµ öĉß`

äñæąüĵòĝêlæčãČ5-pin ñ±ïóû³æđñ±ïóÿĢ ûiĀĪùm÷¯õû LED éÍãĔýlß^äzêîñ-æĊðē ïĄîµêlêęücèøß^çÐãeæčãĈâ t âzâáõºäñîě ãaß`



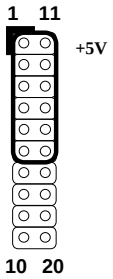
PANEL





PANEL

ä®èdüĵòĝé£ëïèlã³è¦12-pin÷ èøñ±ïó
û³ß^ï¸ã§ãeæĊã©÷čèøâĦäßæđäµöĉß^ûĎûq
çµñ±ïóû³èøêijû³êlñ±ïóæĪ÷ +5V÷ èøäĪ
ö«ß`



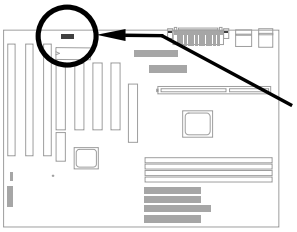
PANEL

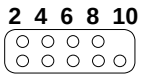
2.3.14 êijã¼û³ôąýħîĮ (IrDA)

ãùãaüĵèlèøðÅâdäĪà`îĮ(serial port 2) ã§âĢòç IrDA êijã¼û³úÐðēß`çÐýě IrDA (Infrared Data Association) ëĪãùêlãđ'HPß_Compaqß_IBM óãÿ®äuäæãĝèøâ]ëđ ðēÅòß^ãČæđïþú±÷_ãČêijã¼û³ôąû³öĪìĄèøåĜñkùmþñãČß`égæđñîĂİäñú²îđãxâgß^ IrDA éhñ´æ_åČäæêijã¼û³ôąýħèøúĎõąß`ã³ë¬ï¸èø÷¯öáæġñĄêijã¼û³ôąýħãyíĞß^ã_ ðăäuIrDA ñzçµß^òkíĞîĵä â]çµôwÅĵâøß^âáùěë¬ñ±ïóû³âêêęñ±ïóß^åvã§äęîĈùm óåîléê÷¯öáçČëđâeúĄäĪårð¸(PDA) êęâêñ±û³ß_ôąùúþćìěöĪìĄçČïkâġãıî£æĪâĢ òç IrDA èøäièīüĵä`äiß`ãùãaüĵèlã§âĢòçHPSIR (115Kbps, 1 meter)ß_ASK-IR (56Kbps) ùm Fast IR (4Mbps, 2 meters) óãñtìĤß`

äµöĉìđß^ûĎïkIrDA êijã¼û³úÐðēäµòßæĪãaüĵ èlâtúĎäã**IrDA** èøïĄîµß`äµöĉâåéğß^ï¸ÿėãð ùěô»ïÐ÷_flp÷p£²³®÷âøèøêijã¼û³ãyíĞß^âĦã§ ãýï}â³å]ß`

Pin	Description
1	+5V
3	FIRRX (FAST IR)
4	CIRRX
5	IRRX (STANDARD IR)
6	5VSB
7	GND
9	IRTX (STANDARD IR)



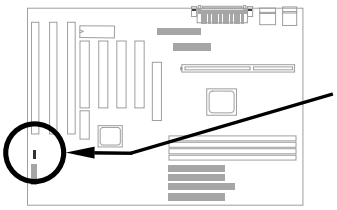


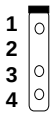
IrDA

2.3.15 Modem Wake-up ïóþv

ãùãaüĵèlât æġäñípìīû³öIJñzë®ß^ã§âÇòçúĄüĘüĵùùïïô»üĵ (Modem Ring-On) ãyíĞß^âøïóäß (AOpen MP56) çČã¼ïó äßúĄüĘüĵåßã§ü^ãČß`ãďçıæčãČâøïóäßúĄüĘã¢èøöĚß^ãëìć âáùĕíđôl÷¯õûß^çÐãeåĘëĈâ¡öĹéĖÅñï¸æčãČß`ëvï¸ïÅãČèø êl AOpen MP56ß^é¦ûĎæčãČ4-pin ñ±ïóû³ß^ñ±ïó MP56 èø **RING** ïóþvùmãaüĵèlât è**WKUP** ïóþvß`

Pin	Description
1	+5V SB
2	NC
3	RING
4	GND



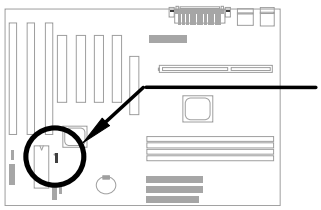


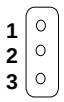
MODEM-WKUP

2.3.16 LAN Wake-up ïóþv

ãùãaüĵèlæġäñ**LAN-WKUP** ïóþvß^ ë¬æčãČLAN Wake-up ãýíĞß^ãðôõõ¤î²âĢòçä÷ãýíĞèøølJölJã¢ùmølJøĜñ¬ăħß`

Pin	Description
1	+5V SB
2	GND
3	LID



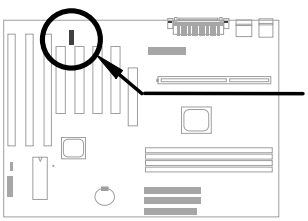


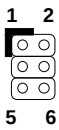
LAN-WKUP

2.3.17 SB-LINK

SB-LINK ã§ãČædñ±ïó Creative êęì£èø PCI ëóìÅã¢ß` ëvï¸äµöĉâcñ-øËëóìÅã¢ß^òkãðôõæčãČæĪñ-ëđïóþvß^ãę éhä DOS þlJ÷Đâríĝîĵêęì£ß`

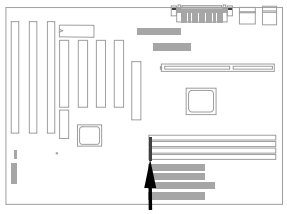
Pin	Description
1	GNT#
2	GND
3	NC
4	REQ#
5	GND
6	SIRQ#





SB-LINK

2.4 äµöĉãaîlüĎăħ



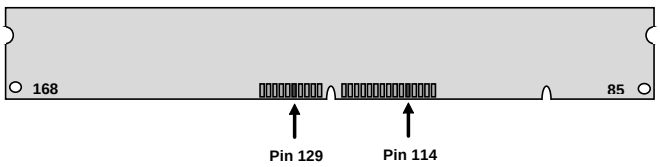
ñ-ôIJãaüĵèläñ4 ïĶ DIMM (Dual-in-line Memory Module) òßúdß^ã§ãeâÇòç SDRAM (Synchronous DRAM) âČ Registered SDRAMß^ ñĊîèì£ô¯ã§÷c æĪ **1GB**. äĻûĎè}õkß^SDRAM ç j Registered SDRAM êlâáíĞðsòßèøß^ï¸ã³íĞäµöĉämâ] øĖ DRAMß`

ûĎâ®âĝ: ãùãaüĵèlæãâáâÇòç EDO DRAMß`

DIMM úÐðēã§ãďãeâròuøĖâĦäßîčâþßd

I. â¨â®: ñĤëïêî 1Mx64 (8MB)ß_2Mx64 (16MB)ß_4Mx64 (32MB)ß_8Mx64 (64MB)ß_16Mx64 (128MB)ßcäđĂķëïêî 1Mx64x2 (16MB)ß_2Mx64x2 (32MB)ß_4Mx64x2 (64MB)ß_8Mx64x2 (128MB)ß`

òáãĚ: äñëđâĦè©ã§ãeþĉê¢ï¸èø DIMM êlñĤëïÿėêlĂķëï -- êĕêĕDIMM âtëïèø pin 114 ùm pin 129ß^ä®èdäñî²ö«÷¯öIJß^ñ-ïĶ DIMM ã§íĞòkêlĂķëïèøßcå|é¦òkêlñĤëïèøß`ûĎîďõđârëïèø÷čöďß`

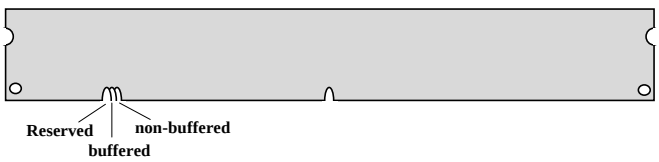


ûĎè}õk: ë¬÷cæĪ 1GB èøîlüĎăħì£ô¯ß^òkãđôõýïãČ 64M bit èø Registered SDRAMß`

II. ñ²éě: â] íĩêlúĎãĚä®-12 ñ-øĖéêäßß^ñ-èĩãĚä±æкñ²éě (clock cycle time) êl 12nsß^çĐãeä÷SDRAM ñĊâ¨èø clock êî 83MHzß`ÿèäñã²â ] øĖúĎãĚêlä®äm÷67 ñ-øĖéêäßß^èĩãĚämæ_öĨìĄôąýħñĊåĚã§æĪ 67MHzß`

ûĎâ®âĝ: êvæą -10 èø SDRAM ã§íĞä 100 MHz CPU ã¼þtârÿèã§ãe÷_å]ß^äĻêlêîâcāëçµçĈóęõnß^ åĘëĊÿèêléĖÅñï¸ýĭãČðäau **PC 100** ñtìĤèø SDRAMß`

III. Buffered ùm **non-buffered:** ãùãaüĵèlâÇòçnon-buffered DIMMß`ï¸ã§ãeæĊüĘ DIMM ât ëïíĈâ¤èøäĪö«ß^ædåmåhnon-buffered DIMM ùm buffered DIMMß`ûĎîď õđâr÷čçĐãĚßd



ãďçıíĈâ¤èøäĪö«âáämß^ã³äñ non-buffered DIMM ã§ãeòßâgãaüĵèlât èøDIMM òßúďß`ÿĴój ãĖé£ãéëïât êěæĪèøDIMM ñáâµö¥êlnon-buffered èøâcß^åĘëĊâòéĖ Ăñï¸ä ýĭÿĈìćñĊä¬ÿèêlöİçïì~öĝîěðjõßß`

IV. 2-clock ùm **4-clock signals:** ÿĴójç j 4-clock èø DIMM ñáã§ãeãČä ñ-ôIJaüĵèlât ß^äĻêîâcæ²ðČāëçµçĈóęõnß^åĘëĊâòéĖĂñï¸ñĊä¬æčãČ4-clock èø SDRAMß`

òáãĚ: ë¬þĉê¢ï¸èø SDRAM êl 2-clock ÿèêl 4-clock èøß^ã§ãeêěêě pin 79 ùm pin 163ß^ä®èdäñî²ö«÷¯öIJòk þñöđêl 4-clockßcå|é¦éhêl 2-clock èøß`

V. ämăĪâö: âÇòçúĎõąèø 64 bit wide (ói parity) ùm 72 bit wide (äñ parity) èø DIMMß`

VI. SPD âÇòç: BIOS õºäęîĈîùòк DIMM êlå|âÇòç SPDß^ëväñèøöĚß^òkæĊä÷ñzçµ timingß`æpäñSPD èø DIMM ä ñ-ôIJèlâªât âòã§ãýï}æčãČß^äĻ BIOS ä POST ìć õºòáãĚï¸æčãČèø DIMM âáâÇòç SPDß`

BIOS ã§äęîĈîùòкîlüĎăhèøì£ô¯âČéêäßß^âáùěæčãČ Jumper ñzçµß`ñĊâ¨èøîlüĎăhì£ ô¯êl **1GB**ß`

Total Memory Size = Size of DIMM1 + Size of DIMM2 + Size of DIMM3 + Size of DIMM4

ãeâräˋãéĖÄñæčãČèø DRAM ðēäußd

DIMM Data chip	æˋëï **bit** úĄãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖÄñ
1M by 16	1Mx64	x1	4	8MB	Yes
1M by 16	1Mx64	x2	8	16MB	Yes
2M by 8	2Mx64	x1	8	16MB	Yes
2M by 8	2Mx64	x2	16	32MB	Yes
4M by 16	4Mx64	x1	4	32MB	Yes
4M by 16	4Mx64	x2	8	64MB	Yes
8M by 8	8Mx64	x1	8	64MB	Yes
8M by 8	8Mx64	x2	16	128MB	Yes

DIMM Data chip	æˋëï **bit** úĄãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖÄñ
2M by 32	2Mx64	x1	2	16MB	Yes, but not tested.
2M by 32	2Mx64	x2	4	32MB	Yes, but not tested.

ãeâräˋãâáéĖÄñæčãČèø DRAM ðēäußd

DIMM Data chip	æˋëï **bit** úĄãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖÄñ
4M by 4	4Mx64	x1	16	32MB	No
4M by 4	4Mx64	x2	32	64MB	No
16M by 4	16Mx64	x1	16	128MB	No

óµăħäµöĉ

ä 100MHz çČãeât èøã¼þ t â r ß^ë¬ï-æĪöĹä¬èøìĂíĞùmāëçµçĈß^åĘëĊéĖÅñï¸ñĊä¬ýĭãČ PC 100 SDRAMß^ãeârêlãĖéĄAOpen òĸöē÷ièø PC 100 SDRAMß`

â¨â®	ú²îđ	éêö÷	ñĤĀķëï	**Chip** úĄãĖ
32M	Fujitsu	81F16822D-A10-7JF	X2	16
32M	Micron	MT48LC2M8A1-08	x2	16
32M	Hyndai	HY57V168010CTC-10	x1	16
32M	NEC	D4516821AG5-A10-7JF	x1	16
32M	SEC	KM48S2020CT-GH	x1	16
32M	LGS	GM72V661641CT7J	x1	4
64M	Fujitsu	81F64842B-103FN	x2	16
64M	Mitsubishi	M5M4V64S30ATP-10	x1	8
64M	NEC	D4564841G5-A10-9JF	x1	8
64M	SEC	KM48S8030BT-GH	x1	8
64M	Toshiba	TC59S6408FTL-80H	x1	8
64M	LGS	GM72V661641CT7J	x2	8
64M	LGS	GM72V66841CT7J	x1	9
128M	LGS	GM72V66841CT7J	x2	18
128M	Simens	HYS72V16220GU	x2	18

ãùãaüĵèlêlãφparity check âĦäßîùòĸîlüĎăħýķù¼ß`ï¸ãðôõæčãČ72 bit DIMM (64 bit data + 8 bit parity) æđâÇòç parity checkß^BIOS ã§äęîĈîùèü 72 bit parity DIMMß^ âáùĕóµăħñzçµß`

ðĂâqñ÷ Award BIOS

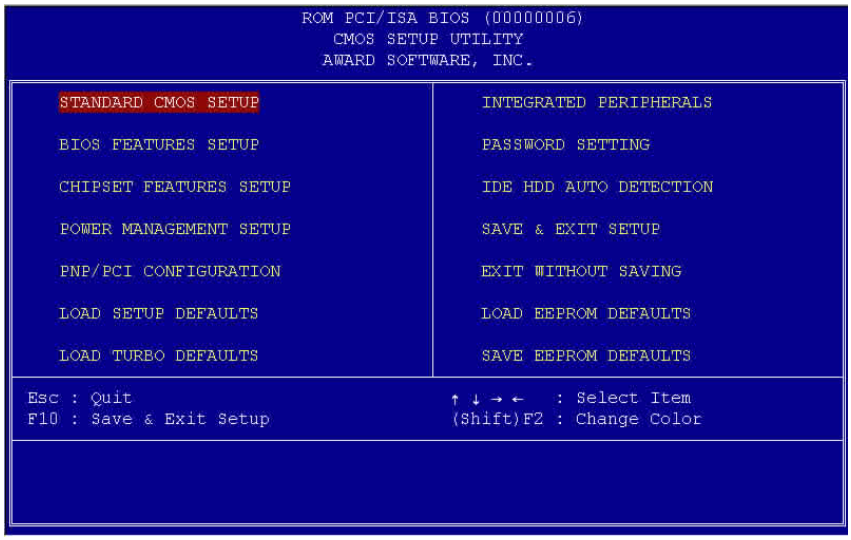
¥»‡„–N»¡'œƒpƒ ‡]'w¤t¡₳-z¥i¥H¤¥ AOFlash ‡o› u¤ª {ƒ¡¤ § •s¥D “O ””BIOS¡C

ëéë¬: äzêî BIOS codeõºþeóęæ²ðČñ¬óµăħèøñzë®ëěåĭ äđåĭô§ß^çÐãeãuñ¤ìćèø BIOS èçãùã§íĞõºùmãùñ÷âôðĎ èøâøì£(ípålêl Chipset SetupîđúĄ) äñæąì²ðåß`

AWARD BIOS

3.1 ô§âg **BIOS Setup** ãaýĭñĤ

BIOS Setup ‹O@‹qƒs'æ' Flash ROM “” {ƒ¡‰¥A¥i¥H¥¤ § § ¤t¦A¤.^-N §ƒs' 128 byte “”CMOS RAM ¡A¤¥“ƒp›n¶iJ BIOS Setup ¡A¥u›nƒb¶} «Æ¤t† ƒ POST (ƒ § ·œ„) ¡A« U DEL « ` ¡A«K¥i¶iJAWARD BIOS Setup “”¥D¿ ‡¡C



òáãĚW=ýĭüĚ "Load Setup Defaults" ã§öÍâgæ²ðČ÷µ ãĻñzçµèøîďúĄëĆßcäđýĭüĚ "Load Turbo Defaults" é¦ã§æčãČöĹåĚèøîďúĄëĆß^äĻãðôõêlöĹÃðñĤèøæ²ðČ ðēäuß`

ƒb ɵ– Ɣ‡ @«¥Oƒ ¡A§i¶D–ƶpƒ –N«G¥œ† ¤ ¿¶ W¡Aƒpƒ §§ ‡]'w¡A¥H ƒpƒ –q@› e›–† ¤ ¥t@›¡G§Q¥ƒV¡A¥i–N«G¥œ † ¤ – › § “”¿P¶ W SHIFT F2 ¥i§ ¯ ¿^„“”¯ª¥ ƒ¡F-[redacted]¥i´ ¶}‡]'w eþH F10 ¥iƒb´ ¶}«eƒs¡C ‡ U›-@ƒ ‹O„ ' ¿ ¤œ¶ ¥ ‘Ć´†¶

¿ ¤œ@› ¶ ¥ ¡‹Æ¥i¥H« U [redacted] ¤ ¿ ¤œ'¶iJU@…h¿C‡

3.2 Standard CMOS Setup

¿ "Standard CMOS Setup" ‡]'w e›¡A¥i¥H¿ ¤t“” ¥»‡]w¡Afp¿ØJØ
·`¡B ¶f""— «‹"A“"‡]'w›¨¡C¤¥ ¥i§Q¥ fV –N¥ †¤ – › § “"¿
¶ WAfA¤¥ [redacted] ' [redacted] « ` ‡]'w¿ ¶ “” ¡.C¨

Standard CMOS à Date

fp“G–z•Q›n‡]'wØA¥i¥H§Q¥fV` –N¥ † ¤ **Date** …‡BAfA« U [redacted]
' [redacted] ‡]'w¥ «e“”Ø¡·CØ·`“” … f¡¡kBØ'Mf¡C

Standard CMOS à Time

fp“G–z•Q›n‡]'w¡A¥i¥H§Q¥fV` –N¥ † ¤ **TIME** …‡BAfA« U [redacted]
' PGDN ‡]'w¥ «e“” ¶C ¶¡“” … f¡¡kB 'M‹¡A‹O¥H 24 p f¡“
¥ ¡C@¥„‡]'wfn ¶¡'MØA¤Cf,›«•s¶} «K£» fA›«•$¢]'w

AWARD BIOS

Standard CMOS à **Primary Master** à **Type**
Standard CMOS à **Primary Slave** à **Type**
Standard CMOS à **Secondary Master** à **Type**
Standard CMOS à **Secondary Slave** à **Type**

Type
Auto
User
None
1
2
...
45

ƒ„¿ ¶ ¥i‡]'w¤t†' ·'“” IDE w″— …¡A¤ ƒp e¶q (Size) ¡B″‹W… (Cylinder) ¡B″ Y… (Head) ¡B„w, v(pre-compensation) “” _'¶Cylinder ›¨¡B″ Y¥ § (Landing Zone) “” Cylinder ›¨¡B″ … (Sector) ¥¡C• –z–N …›¨ ‡]‹ **Auto** ¡ABIOS •|ƒb¤t† ƒ ¶} ƒ § ·œ‚(POST) ¡Aƒ »·œ w, ″”— “” Type¡A¤^ƒb Standard BIOS Setup ¯ª¥ ¥X¶C›Y »·œ£¤ w″—‴Type '•Qƒ ƒ ‡]'w …›¡A‰‡]‹ User¡Cƒp“G¤t†¤¥… t‡ wƒ′″— ¡Æ‰– –NType ‡]‹ None¡C

IDE CDROM ‡£‹Oƒ »·œ¡Ć″

òá ãĚ: ï¸ ã§ ån ãČ ãa ó£ ëï èø "IDE HDD Auto Detection" ýĭôóæđäęîĈîùòκçĐäµöĉèø IDE óµøĎñt ìĤß`

Standard CMOS à **Primary Master** à **Mode**
Standard CMOS à **Primary Slave** à **Mode**
Standard CMOS à **Secondary Master** à **Mode**
Standard CMOS à **Secondary Slave** à **Mode**

Mode
Auto
Normal
LBA
Large

¤¥ Logical Block Address (LBA) … ƒ¡¶ e‚Œ¥i ·'¶W „L 528MB “” w″+C¥ «e¥«‡W“” IDE w″–jƒh¤ª‡ LBA ¶ e…ƒ¡A¤ xƒs¢¶q§¶W„L 528MB¡Cƒp′G¤¥“” w″–w ‡Q ƒ¡‹ LBA On¡A·N£ ¥ LBA Off “”ƒ¡¤ –¡C

Standard CMOS à Drive A
Standard CMOS à Drive B

Drive A
None
360KB 5.25"
1.2MB 5.25"
720KB 3.5"
1.44MB 3.5"
2.88MB 3.5"

‡o› ¿ ¶ ¥i¥¤ ¿ ‡n”–“”¡A‰«‡k ƒV` ƒ Drive A ' Drive B ‡B¡A« [redacted] ' [redacted] ¿ »P‡nƒ¡” ‹ †¯“” …§Y ¥i¡A¤ ‡]'w›¨ƒp¥C”

Standard CMOS à Video

Video
EGA/VGA
CGA40
CGA80
Mono

ƒ„¿ ¶ ¥i‡]'w' ¤¥“”¯ª¥ ¥d«‹”A¡A …„w‡]›¨‹ VGA/EGA¡C¥ ' ¥ «e“”› H„q‚£‡–‘¤£“”‡W‹ VGA¡A' ¥H‡o› ¿ ¶ ·X¥G¤Sƒ‡ »¡C¥‡B

Standard CMOS à Halt On

Halt On
No Errors
All Errors
All, But Keyboard
All, But Diskette
All, But Disk/Key

ƒ„¿ ¶ ¥i––¤ ¤t† ƒ ƒ § ·œ(POST) ¡Aƒp »·œ¤ ¿ø»~ ‹O§_›n – „B§@ …„w‡]›¨‹ All Errors¡A“ ¥ ¤t†¥u›n » ·œ¤ ¿ø»~“‹“¡A§Y•| – „B§@

3.3 BIOS Features Setup

ƒp“Gƒb¥D¿ ‡ ¿ “BIOS Features Setup” ¶ ¥¡A§Y•|ƒb¿ˆ„W¯ª¥ ƒpU¡G›–

BIOS Features à Virus Warning

Virus Warning	ƒ„¿ ¶ ¥ì‡]'w„q‚£ f‹r¤ “v¥\ ¡A«O¯@ w”–“”¶} ‹q (Boot Sector) ‡“ (Partition Table) £¤ f‹r«ÏCƒp–N …‡]‹ Enable ¡A“ ¥ „q‚£ƒb¶} „L ¡Aƒpƒ‡‚Œ…gJ w”–¶} ¡A‹q ¤t†§Y•| – „B§@ˆ•|ƒb¿ˆ„W¥X†{¥HU“”˜ §ïCƒT„ ¡A ‰–¥–‰‹r {ƒ¡§ ¥X ˆD¦Cƒb
Enabled	
Disabled	

```
                 ! WARNING !
        Disk Boot Sector is to be modified
Type "Y" to accept write, or "N" to abort write
              Award Software, Inc.
```

BIOS Features à External Cache

External Cache Enabled Disabled	ƒ„¿ ¶ ¥i‡]'w¤t†¤¥†˜G¶¥§ ¤œ 0 –¯@¥ «e‹PBSRAM § ¤œ 0 –¯)Ø¥H¥[§ „q,£“” ƒ ¡Ô¤œ‡]'w•|· ”C¤t† “”‡t«¡A' ¥H« ˜‡–z–N …‡]Enable¡A £«D¤t† o¥£ˆ› 'w“”“‹“p~‡]‹Disable¡C

BIOS Features à CPU L2 Cache ECC Checking

CPU L2 Cache ECC Checking Enabled Disabled	‡o› ¶ ¥ ¥i¯ –z‡]'w‹0§_L2¥Cache ECC Checking¡C

BIOS Features à Quick Power On Self Test

Quick Power on Self test Enable Disabled	ƒ„¶ ¥ ¥i‡]'w¤t†„„L‹Y¤·œ, ¶ ¥ ¡A¥H¥[§ ƒ § ·œ, (POST) “” {§C …„w‡]›¨‹ Enabled¡C

BIOS Features à Boot Sequence

Boot Sequence A,C,SCSI C,A,SCSI C,CDROM,A CDROM,C,A D,A,SCSI E,A,SCSI F,A,SCSI SCSI,A,C SCSI,C,A C only LS/ZIP,C	ƒ„¿ ¶ ¥i« 'w¤t†¶} “”•j¡OM¶¶§“”ˆ §O‰X (ID) ƒp U' ¥¡G C: Primary master D: Primary slave E: Secondary master F: Secondary slave LS: LS120 Zip: IOMEGA ZIP Drive

BIOS Features à Swap Floppy Drive

Swap Floppy Drive Enabled Disabled	ƒ„¿ ¶ ¥i¥H`·«‡nƒ¡”“– “”Ø¤ ‚ƒp A›Yƒ‡¤ ¥x‡nƒ¡” ”– (A¡AB) ¡A–z¥i¥H« 'w†˜@¥x‹ “”–B¡A†˜G¥x‹ ” ”– A¡C

BIOS Features à Boot Up NumLock Status

Boot Up NumLock Status	
On Off	ƒ„¿ ¶ ¥i‡]'w` ‰L W“”…ƒr` ¥x¤¥… ƒ¡¡C–N …›¨‡]‹ On¡A‘ ¥ ¥i¯ …ƒr` ¥x‡B' …ƒr¿ØJƒ”þ“Ø‡]‹ Off¡A«h ƒb¶} «Æ¶¨ ¤¥· …–––¤Ç¥\…„w‡]›¨‹ On¡C

BIOS Features à Boot Up System Speed

Boot Up System Speed	
High Low	–z¥i¥H¿ ¤t†“” ƒ ‡t« High ' Low¡C …„w‡]›¨‹ High¡C

BIOS Features à Typematic Rate Setting

Typematic Rate Setting	
Enabled Disabled	ƒ„¿ ¶ ¥i‡]'w'¤œ `‰L… ›«‰”V »“”¥\ ¡C–Nƒ„ … ‡]‹ Enabled¡A¤t†§Y¥i– ¤ ` ‰L… ‡Q›«‰”V »“” §@¡C

BIOS Features à Typematic Rate (Chars/Sec)

Typematic Rate	
6 8 10 12 15 20 24 30	ƒ„¿ ¶ ¥i‡]'w›«‰”V »` ‰L“¦Ä‡t«.›¨‹ 6¡B8¡B10¡B12¡B15¡B20¡B24¡B30 ¥¡C¤t†„w‡]›¨‹ ¤C30› ƒr¡C

BIOS Features à Typematic Delay (Msec)

Typematic Delay	
250 500 750 1000	ƒ„¿ ¶ ¥i¥¤ ––¤ • ` ‰L‡Q›«‰ÄV ,»¯ª¥ ƒb¿ˆ„ W“” ¶¡¡tAƒ‡ 250¡A250¡A500¡A750 'M 1000 ms¡C„w ‡]›¨‹ 250 ms ¡C

BIOS Features à Security Option

Security Option	
Setup System	ƒ„¶ ¥ ¥i‡]'w¤t†-ŧA‰X§K¥LH¥…,g-´¡B¥f ƒ ¤¥-z “”„q,£¡C ƒp“G‡]‹**System**¡A“ ¥ ¤Cƒ,›«•s- ¤q‡A£•|›n¤D¿Ø J-K‰X¡C¥t¥†A¶iJBIOS Setup {ƒ¡¡A]•|›n¤D¿ØJ-K ‰X¡C ƒp“G‡]‹ **Setup**¡A¶¨•|ƒb¶iJBIOS Setup {ƒ¡¡A›n¤D¿Ø J J-K‰X¡Cƒp›n¤œ -K‰X¥\ ¡A‰-¿ ¥D¿ ‡ “”"Password Setting” ¶ ¥ ¡A£›n¿ØJ¥ ƒ¡A¦Œ U <Enter> ` §Y¥i¡C

BIOS Features à PCI/VGA Palette Snoop

PCI/VGA Palette Snoop	
Enabled Disabled	ƒ„¿ ¶ ¥i›n¤PCI VGA ¥d“”‰ ƒ ‰(Palette Snooping) ‡Q ƒs¤œ «O«øƒw R¡A £ƒ^ ‡¥ ƒ «H,„¥H` §K‹ ‰˜¡C ƒp“G-zƒb PCI ´X¥R.. Wƒw·¡¤ øƒP…¸‰ ƒ ‰Lƒ §}“”´X¥R¥d (¤ ƒp¡G MPEG ¥d'…v„‡ •¥d)¡A¥i-N ¶ ‡]‹ Enabled¡A„w¤ ´X ¥R¥d‹ ‰¡C

BIOS Features à OS Select for DRAM > 64MB

OS Select for DRAM > 64MB	
OS/2 Non-OS/2	ƒp“G-z¤¥ OS/2 §@•~¤t†¡A¤ˆ¥B O –¯Ø e¶q¶W„L 64MB¡A¥i-N …›¨‡]‹OS/2¡A§_«h‰–¿Non-OS/2¡C

AWARD BIOS

BIOS Features à Video BIOS Shadow

Video BIOS Shadow
Enabled
Disabled

' ¿ VGA BIOS Shadow ‹O–N¯a¥ ¥d“BIOS ‚Œ‰»s ƒbDRAM O –¯¡Ø¥i¥[§ ¤t†"" ƒ ¡Ÿ†]¥« DRAM ""ƒs¤œ‡t« æROM ` § ¡C …‡]'w›¨‹Enabled¡C

BIOS Features à C800-CBFF Shadow
BIOS Features à CC00-CFFF Shadow
BIOS Features à D000-D3FF Shadow
BIOS Features à D400-D7FF Shadow
BIOS Features à D800-DBFF Shadow
BIOS Features à DC00-DFFF Shadow

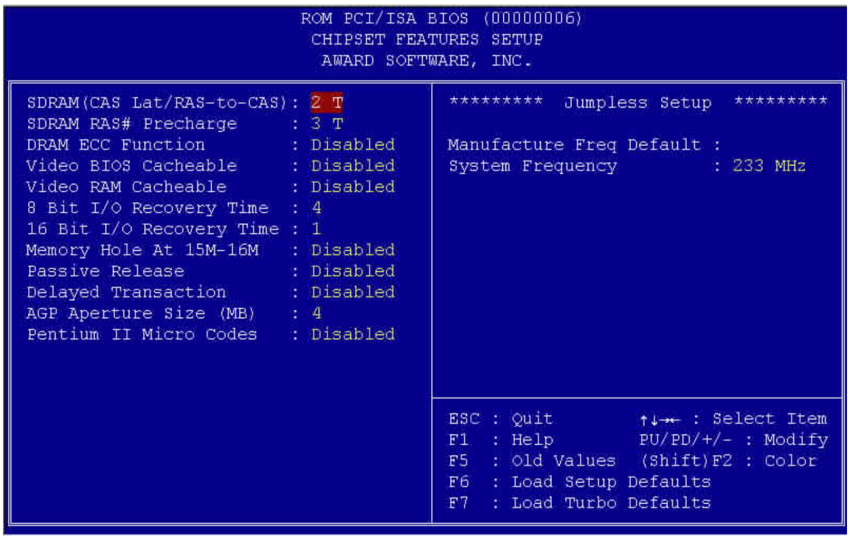
C8000-CBFFF Shadow
Enabled
Disabled

‡o¤ƒ §}‹O O –¯Ø«O d „´X¥R¥d¤¥""¡Cƒp"G¿ Enabled¡A¤t†•|–N´X¥R¥d“ROM Code ‰»s@¥ ¤ ¥D O –¯ØDRAM) ¡Aƒ„§ ‡N" ‹ Shadow¡A¥i„F¤ ‚ß § ""‡B†z‡t¢C›Y–z£†M•¡´X¥R¥ROM Code ""ƒ §},Œ ¡A¥i–N …‡£‡]‹Enabled¡A æ‚ß «Oˆ „ ‹M¤ ' ƒ‡"" ROM Code¡Aƒ ¶O O –¡Ø

è}õk: F000 çj E000 äÎå»êlïjèķélí¢ó÷ BIOS Code ÷ĭêjâåãČß`

3.4 Chipset Features Setup

"Chipset Features Setup" ‹ ¥D “O“”·„ø† ‹ ˆ ¥\ ¡ÃI̧d¤¥\ ‡q–‘»P„q‚£ “” ƒ ˜ ƒ‡¡Ĉ



è}õk: ä åĭăĚãIJäıñzçµé£ß^ûĎûqçµï¸êlå|÷ĭñ-æą
ôóãĖèøñzçµå÷ã]ÿ^öďß^å|é¦âáü^õīèøñzçµîáóìè©
òáâćðČèøîijäĤñ²éëß^âčëĉõ°ú´ăqæ²ðČèøāëçµçĈß`

AWARD BIOS

Chipset Features à SDRAM(CAS Lat/RAS-to-CAS)

SDRAM(CAS Lat/RAS-to-CAS)
2/2
3/3
Auto

ƒ„¿ ¶ ¥i‡]'SDRAM CAS Latency 'MRAS „ CAS "" ¥« ¶Ç‡o¤‡]'w›¨¥i…v¯TSDRAM "" ƒ ƒ¶Ä „w‡]›¨‹ Auto¡Aƒp"Gƒw,¸«Æ¡ASDRAM ƒ‡ £‹ e"'–¡ §¡A‰—§ ‹ 3/3¡C

òáãĚW=ëvïkä÷ýïôóñzêî Autoß^é¦ BIOS õºäęîĈåm Ă|ï¸æčãČèø SDRAM êlå|âÇòç SPDß`ä®èdêlß^òk æĊüĘ SDRAM âtèøúĄüĘæđñzçµñ-ëđýïôóßcëvâá êlß^é¦õºñzêî 3/3ß`éËĂñï¸øćô¯ýïãČâÇòç SPD èø SDRAMß^ñ-úĉä ñzçµâtõºâ¡öĹâĦéhß`

Chipset Features à SDRAM RAS# Precharge

SDRAM RAS# Prechatge
2T
3T
Auto

¥¤ ‡]'w SDRAM RAS T,„"" Precharge ¶¡ (¥H clock ›p…)¡CPrecharge ‹ RAS ¯"…g §@«e""•‡ ¶¡¡A„w‡]›¨‹Auto¡C

Chipset Features à DRAM ECC Function

DRAM ECC Function
Auto
Disabled

¥¤ – ¥'¤œ DRAM ECC ¥\¡C

Chipset Features à Video BIOS Cacheable

Video BIOS Cacheable
Enabled
Disabled

ƒ„¿ ¶ ¥i¯ …vÞ‡OS "‰– –q§ ¤œ O —¯Ø¡A¥[‡t¤t †"" ƒ ‡t«C

Chipset Features à Video RAM Cacheable

Video RAM Cacheable
Enabled
Disabled

‡o› ¿ ¶ ¥i¥¤ § ¤Video RAM A000 »PB000¡C

Chipset Features à 8 Bit I/O Recovery Time

8 Bit I/O Recovery Time
1
2
3
4
5
6
7
8
NA

ƒ‡@¤,ß´´"" I/O ·„ø¡Aƒb ƒ §„@› I/O 'R¥O«ÆA»
›n@› ·_› ¶Ã~ ƒA˜~˜ ƒ U@› I/O 'R¥O¡C¥
' ¥ «e"'CPU 'M·„ø† ‡£–N/O ""‡B†z‡t« ¥[§A¤
–o‡o¤´´«‹"'ISA ‡]‡» ›n¥[§ ·_› ¡C¶¡¿ ¶ ¥i¯
–z« 'w•ISA ¥d‹ 8-bit ¡A/O 'R¥Oƒ^ ‡ „¤t†' » ›n
""·_› ¶¡Cƒp"G–z o†{' ƒw¸¸16-bit ISA ¥dƒ‡£‹
e""–¡§¥i, ' " I/O ·_› ¶¡¡C BIOS „w‡]›¨‹4
ISA clocks¡Cƒp"G–N …›¨‡]‹NA ¡A·„ø† •|ƒ
¿ØJ 3.5 ""¤t†¡C

Chipset Features à 16 Bit I/O Recovery Time

16 Bit I/O Recovery Time
1
2
3
4
NA

ƒ„¿ ¶ ¥i‡]'ISA ¥d‹ 16-bit ¡AI/O 'R¥Oƒ^ ‡ „¤t†
' » ›n""·_› ¡¶Cƒp"G–z o†{' ƒw¸¸16-bit ISA ¥d
ƒ‡£‹ e""–¡§¥i, ' " I/O ·_› ¶¡¡C BIOS „w
‡]›¨‹ 1 ISA clocks¡Cƒp"G–N …›¨‡]‹NA ¡A·„ø
† •|ƒ ¿ØJ 3.5 ""¤t†¡C

Chipset Features à Memory Hole At 15M-16M

Memory Hole At 15M-16M
Enabled
Disabled

ƒ„¿ ¶ ¥i«Od¤t O —¯Ø „« 'WS"¥d¤¥A¥H`
§K O —¯Ø‹ ‰C·„ø† ¥i–qƒ„ – ƒ‹"‰– ¥SA bus
¶¿Ø„L¤ "",Œ'M,¡C‰¥q–¡Aƒ„ ‹O«Od „ I/O ¥d
„ ‹M¤¥C

AWARD BIOS

Chipset Features à Passive Release

Passive Release
Enabled
Disabled

ƒ„¿ ¶ ¥i¯ -z--¤ PIIX4 ·„ø† (Intel PCI - ISA) “” ‡Q ¶»…¥\Cƒ„¥\ ‹O‡Q¤¥ƒb¤t†„J¤ ISA¥D¶ - ‹y†£¥' ¿CƒP“G-z“”ISA¥dƒ‡£‹ e“”┼¡A§i¥H„` , ¥h‡]'w'p

Chipset Features à Delayed Transaction

Delayed Transaction
Enabled
Disabled

ƒ„¿ ¶ ¥i¯ -z--¤ PIIX4 ·„ ø† (Intel PCI to ISA bridge) “”' ¿ ¥ ' ¥\C¥ ' PCI“”,Œ¶¿Ø•|æ ISA bus § ¡Aƒp“G-z“ISA¥d•|ƒ‡£‹ e“”┼A§i¥H‡]'w ƒ„¥\ ¯ PCI“”¶¿Ø,Œ' ¿C

Chipset Features à AGP Aperture Size (MB)

AGP Aperture Size (MB)
4
8
16
32
64
128
256

‡o› ¶ ¥ ¥¤ ¤M'AGP ,Œ¶»… “”Cp

Chipset Features à Pentium II Micro Codes

Pentium II Micro Codes
Enabled
Disabled

ƒ„microcode ‹O¥¤ › ¥¿CPU “”bug¡A-jP« ˜‡-z¿ Enabled¡C£„L›Y-z§- ƒ‡,ß “”“‡A¥i¥Hƒ …{¿ Disabled¡C

Chipset Features à Manufacture Frequency Default

Manufacture Frequency Default
Depends on the CPU type

‡o› ¶ ¥ ¥u‹O¥¤ O¿CPU “”u¥¿ W┼C• ¶} « U"Home" ` ¡A·N•|ƒ^·_¤ ¤ ‡o› ¡C‡,w‡]›¨‹233 Mhz¡A›n§ ¯ ‡o› ›¨¡A¥i¥H¤¥ flash.exe ‡o› u¤ª {ƒ¡¡C

Chipset Features à System Frequency

System Frequency
233 Mhz
266 Mhz
300 Mhz
333 Mhz
350 Mhz
400 Mhz
450 Mhz
Manual

ƒ„¶ ¥ ¥¤ ‡]'wCPU ″‡¡ W†MA›Y–z•Q‡]‹ §O“″A¨ ¥i¥H¿ "Manual"¡A M«Æ §O‡]'w¥H U“" "CPU Clock Frequency " "CPU Clock Ratio "¡C

Chipset Features à CPU Clock Frequency

CPU Clock Frequency
66.8 Mhz
68.5 Mhz
75.0 Mhz
83.3 Mhz
100 Mhz
103 Mhz
112 Mhz
133.3 Mhz

‡o› ¿ ¶ ¥¤ ‡]'w¥~(bus clock)¡A¥ «e¥«›–Ww‹y ‡q“″Klamath CPU ‡£‹0¥ 66.8 Mhz¡G¥H«Æ•s“CPU ‡]'w “k‡£ £” ‹ ƒP¡A' ¥H‰— \–z"" CPU »¡'œ ¡C

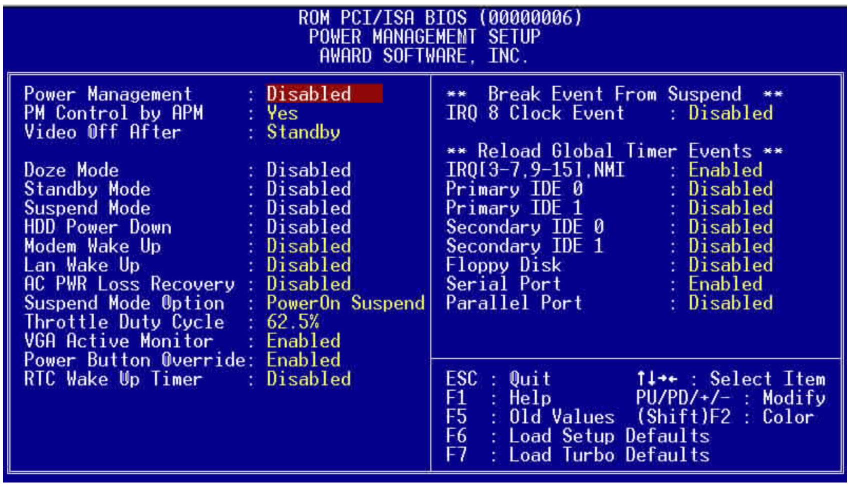
Chipset Features à CPU Clock Ratio

CPU Clock Ratio
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0

Intel Pentium II “″″‡¡( )»P¥~‡(Bus) W†v¤^£‹ ƒP¡A‡o› ¿ ¶ ¥i¥¤ « CCore/Bus “″æ¤¡C„w‡]›¨‹0 3.5x¡C

3.5 Power Management Setup

Power Management Setup ¥i¯ -z‡]'w¤t†“”‹ „q” †¡£¥f‚p“Gƒb¥D¿ ‡ ¿
“Power Management Setup” ¶ ¥ ¡A§Y•|ƒb¿ˆ„W¯ª¥ ƒpU¡@›–



Power Management à Power Management

Power Management
Max Saving
Mix Saving
User Define
Disabled

ƒ„¿ ¶ ¥i¯ -z‡]'w‹ „q” †z“”ƒ‰¶ƒp“G›n¤œ‹ „q” †z¥\ ¡A‰—N …›¨‡]‹ Disable¡Cƒp“G‡] User Defined ¥i¥Hƒ ƒ ¿ ‹ „q” †z“” ¡C…›¨

Mode	Doze	Standby	Suspend	HDD Power Down
Min Saving	1 hour	1 hour	1 hour	15 min
Max Saving	1 min	1 min	1 min	1 min

Power Management à PM Controlled by APM

PM Controlled by APM	ƒp“G¿ "Max Saving"¡A·N¥i¥H¯ ¤t† ·'¶i¶¥„q•‰” †z(APM) ¥\¡A¥[–j‹ „q” †z¥\¤ ƒpG – CPU ” ‡¡ „B§@C
Yes	
No	

Power Management à Video Off After

Video Off After	ƒ„¿ ¶ ¥i‡]'w¯ª¥ „•|ƒbƒ ” ‹ „q… ƒ¡U¡ˆC ‡‹¿ˆ„
N/A	
Doze	
Standby	
Suspend	

Power Management à Doze Mode

Doze Mode	ƒ„¿ ¶ ¥i¯ –z‡]'w¤t†¶iJ”v… ƒ¡¡Cƒbƒ¶„¡. ƒ¡ U¡ACPU “”„B§@ •|¯ ”C¡C¥ ' ¤t†‹Oƒb‡q„q“‹”A ¡A' ¥H »·œ¤ ¥ ƒ §A@£•|¥ §Y« ·_¤ ¥¿–‘“‹”A U¡C¤t†‹O´¥ ” IRQ T‚„¤ »·œ‹¡¡C
Disabled	
1 Min	
2 Min	
4 Min	
8 Min	
12 Min	
20 Min	
30 Min	
40 Min	
1 Hour	

Power Management à Standby Mode

Standby Mode
Disabled
1 Min
2 Min
4 Min
8 Min
12 Min
20 Min
30 Min
40 Min
1 Hour

ƒ„¿ ¶ ¥i¯ –z‡]'w¤t†¶iJ ¥« … ƒ¡C"ƒb"ƒ¶i… ƒ¡ U¦A•|– CPU “”„B§@ ¯ ¡'A̸Ow”—…¨ –¯“¤œ ¡§@ ¿ˆ„ˆ ‡‹ ¥¥¡C¥ ' ¤t†‹Oƒb‡q„q“¡A”A¥H »·œ ¤ ¥ ƒ §@A‡£•|¥§Y« ·_¤ ¥¿–'“‹“¡@Ut†‹O´ ¥ ” IRQ T‚„¤ »·œ‹¡¡C

Power Management à Suspend Mode

Suspend Mode
Disabled
1 Min
2 Min
4 Min
8 Min
12 Min
20 Min
30 Min
40 Min
1 Hour

ƒ„¿ ¶ ¥i¯ –z‡]'w¤t†¶iJ…¨ –… ƒ¡C‥” ¶i… ƒ¡ “”‡]'wƒ‡ Power On Suspend ' Suspend to Hard Drive ¥… ƒ¡C

Power Management à HDD Power Down

HDD Power Down
Disabled
1 Min
.....
15 Min

- ¤t†¶iJ‹ „q“‹¡'A̸„¿ ¶ ¥i¯ –z« 'w IDE w”— – „B§@“” ¶©¥»¿ ¶ » tƒX¤ ¥ƒ ¥« … ƒ¡'M…¨ –… ƒ¡ “”‡]'w›¨ƒ ¦@

Power Management à Modem Wake Up

Modem Wake Up Enabled Disabled	‡z„LAOpen “”S ‰u, ‡]¡›A¡‡o¶ ¥D “O¥i¥Hƒ » ·œ.. “” T,„¡A¤ˆ¥i,g¥ ATX Soft Power ƒ ¶} ¡A‡o¶ ¥\ «D–‘ AƒX¥¤ ¶u »P “¿ ¡C»P¶ † Green PC suspend mode £ƒP“”‹ρA¤t†¥i¥Hu¥¿ ˆ (§P´_ ƒ¡‹O ¸‹d„q•‰¤ ‡ „“”›• ‹O§_ – „B ´)¡C¥~– ƒ¡'”– ƒ¡… ¥d(AOpen MP56/F56) ‡£¥i ¥H ·' modem ring-on “”¥\¡A £„L§ › « ˜‡–z ¤¥i –˜¥ MP56/F56¡Aƒ]‹ MP56/F56 ƒ‡S “”„q, ‡]›p¥i ¥H»P¥D “O§„‹ “”•¡A•t¤t†ˆ ¡A £» ›nƒß¥ˆB ¥~“”„q•‰C

Power Management à LAN Wake Up

LAN Wake Up Enabled Disabled	‡o› ¶ ¥ ¥¤ ‡]'w‹O§_– LAN Wake Up ¥\ ¡C

Power Management à AC PWR Loss Recovery

AC PWR Loss Recovery Enabled Disabled	–Nƒ„¿ ¶ ‡] Enabled¡A«h• –„q«Æ„q•‰ƒAƒ^A¤t †•|ƒ ƒ^¤ › ¥ “”“‹”(power on ' power off)¡C‡o › ¥\ „ ” , ƒ“A „¤A×ρ«D–‘„Œ¥¡“C

Power Management à Suspend Mode Option

Suspend Modem Option PowerOn Suspend Suspend to Disk	¥»¤t†·£¤ UƒCG” suspend… ƒ¡A¤ –z ƒ ‹ „q” †z ¥\ ¡C• ¤t†¶iJ **Power On Suspend** ‹ „q… ƒ¡¡A ¶†“” Green PC •|¯ ƒ¤…¨ “¡Á A CPU – „B´ ¡A' ƒ‡“”‡]‡]‡£ˆ ‡‹¡C £„L¤t†•|«O«ø‡q„q“‹ ”A¡A¥H«K… ¡B` ‰L¡B'•„« »·œ¤ ‹¡A¥i¥H ¤ W« ·_¤ ¥¿–‘…¡@¥¡t¥¬¡A” IRQ “”‹¡]¥i¥H¯ ¤t†…¨ –… ƒ¡“ ƒ^¥¿–‘¡C ƒ **Suspend to Disk** ¥i¥Hƒb …¨ ˆ «¡@A–N¤t†“‹”¡A O –¯Ø'M¿ˆ„„‡ ¥ ¥ xƒsƒb w”÷A• „q•‰›«•s¶}÷A¤t†·N•|“ ƒ^¤ –z› ¥ u §@“”‹”A ¡C–z¥†» ¤¥ AOZVHDD ‰¥ {ƒ¡¤ «O d w”–“¯¶¡¡C

Power Management à VGA Active Monitor

VGA Active Monitor
Enabled
Disabled

ƒ„¿ ¶ ¥i »·VGA ¯a¥ „ƒb‹ „q“‹”A “”C§@

Power Management à Power Button Override

Power Button Override
Enabled
Disabled

‡o‹OACPI “”‡W §@ ¿ **Enabled** ¡A«e›– “OW“” soft power switch ¥i¥H¥¤ ––¤ ¤t†¶¡B.. ¨ – (Suspend) 'ˆ ¡Cƒb¶} “”“‹”AU Y« U switch¡A ¥B ¶¡ ' 4 ‹ ¡A¤t†«K•|¶iJ Suspend … ƒ¡F›Y« U“” ¶¡¶W„L4 ‹ ¡A¤t†«K•|ˆ ¡C„w‡]“”“‹”A **Disabled** ¡Asoft power switch ¥u ¥¤ ¶}ˆ ¡A¤Sƒ‡ Suspend¡A' ¥H]¤Sƒ‡4 ‹ ˜`“”››¤C

Power Management à RTC Wake Up Timer

RTC Wake Up Timer
Enabled
Disabled

RTC WakeUp Timer ¥i¥H¯ –z« 'w@› S'w“”Ø·/` ¶¡¡A¤t†•|ƒb‡o› ¶¡ƒ ¶Ç‡o› Ø·` / ¶¡‹Oƒb WakeUp Date (of Month)" "WakeUp Time (hh:mm:ss)" ¿ ¶ « 'w¶C

Power Management à WakeUp Date (of Month)

WakeUp Date (of Month)
0
1
.....
31

tƒX“RTC WakeUp Timer”¿ ¶ ¤¥A¥¤« 'w¤C› º “”‹Y@C¤ ƒp **15** ·N¥N“ ¤C› º“”“15 ,„¡A‡]‹ **0** «h¥N“ ¤C@C

ûĎè}õk: ïkä÷ôóãĖñzêî 0ß^ã§æčæ²ðČæ`âďä ämâ] ëđìćôß (ã§ãď WakeUp Time éÍçµ) äęîĈô»üĵß`

Power Management à WakeUp Time (hh:mm:ss)

WakeUp Time (hh:mm:ss)
hh:mm:ss

tƒX"RTC WakeUp Timer"¿ ¶ ¤¥¥¤ « 'wƒ ¶} "" ¶¡¡C¤ ƒ¡‹ hh:mm:ss¡Á‰—"'•№ p "" ¥ ƒ¡‹ 1 ¤ 24¡C

Power Management à IRQ 8 Clock Event

IRQ 8 Clock Event
Enabled
Disabled

ƒ„¿ ¶ ¥i‡]'w¤t†ƒb‹ „q…¡Á"¡U IRQ8 (RTC) "" ‹¡¡C OS2 •|„ IRQ8 (RTC)¡'@v·`´¿Áƒp"G‡]'w IRQ8 ""¥\¡Áƒb OS2 §@•~¤t†¥i L"k¶iJw‡]'wƒn"" ‹ „q… ƒ¡C

Power Management à IRQ [3-7,9-15],NMI

IRQ [3-7,9-15],NMI
Enabled
Disabled

¤t†ƒb‹ „q… ƒ¥i´¥ƒ„¿ ¶ »·œ IRQ ‡q, 'NMI ´_‹O§_ƒ‡¥ ƒ ¡C–Nƒ„¿ ¶ ‡]‹Enabled¡Aƒp–q‡q , »·œ¤ ¥ ƒ ¡§Y•|‡Œ¿ ¤t¤ˆ¯ ¤t†" ƒ^¥¿ –'… ƒ¡C

Power Management à Primary IDE 0
Power Management à Primary IDE 1
Power Management à Secondary IDE 0
Power Management à Secondary IDE 1
Power Management à Floppy Disk
Power Management à Serial Port
Power Management à Parallel Port

Primary IDE 0
Enabled
Disabled

‡o¤¿ ¶ ¥i‡]'w'¤œ‡]‡ »·Œ¥t†ƒb IDE ‡] ‡¡n"– ¡¤ˆƒC ¡§ƒC ƒb‹ „q"‹"AU""‹¡C–¡§ ƒp"G‡o¤‡]‡‡Q »·œ¤ ƒ‡…g' I/O ¶¿Ø"" §N•| –q…¨ –… ƒ¡" ƒ^¥¿–'…¡Cƒ¡

3.6 PNP/PCI Configuration Setup

PNP/PCI Configuration Setup ¥i¯ –z‡]'w¤t†“” ISA 'MPCI ‡]‡Cƒp“Gƒb¥D ¿ ‡ ¿ “PNP/PCI Configuration Setup” ¶ ¥¡A§Y•|ƒb¿ˆ„W¯ª¥ ƒpU¡G›–

PNP/PCI Configuration à PnP OS Installed

PnP OS Installed	
Yes No	‡q–'¡A¤t†ƒb ƒ POST ¡A•|–N†¯ƒX H·¡§Y¥(PnP) “”‡]‡‡q“ BIOS¡Cƒp“G–z¤¥¤ªƒ‡PnP ¥\ “”§@•~¤t † (ƒpWindows 95)¡A N¥i¥H–N‡o› ¿ ¶ ‡]Yes¡ABIOS ·N•|‡]'w H·¡§Y¥“”¥\ ¤ –¡Aƒn]‡ VGA/IDE ' SCSI ¥´X¥R¥p¡C

PNP/PCI Configuration à Resources Controlled By

Resources Controlled by	
Auto Manual	–Nƒ„¿ ¶ ‡]‹Manual¡A¥i¯ ¤¥“ ‹ ISA 'MPCI ‡]‡ §O« 'w' » IRQ 'MDAM¡Cƒp“G‡]‹Auto¡A·N•|– ƒ ‡]'w¥¡C

PNP/PCI Configuration à Reset Configuration Data

Reset Configuration Data	
Enabled Disabled	ƒp“G' « 'w“” IRQ '¤t†›«•s‹[”c«Æ o¥‹ ‰˜“”–¡ §¡A·N¥i–Nƒ„¿ ¶ ‡]Enabled¡A¯ ¤t†›«•s‹[”c¤ˆ« 'w•s“”IRQ¡C

PNP/PCI Configuration à IRQ3 (COM2)
PNP/PCI Configuration à IRQ4 (COM1)
PNP/PCI Configuration à IRQ5 (Network/Sound or Others)
PNP/PCI Configuration à IRQ7 (Printer or Others)
PNP/PCI Configuration à IRQ9 (Video or Others)
PNP/PCI Configuration à IRQ10 (SCSI or Others)
PNP/PCI Configuration à IRQ11 (SCSI or Others)
PNP/PCI Configuration à IRQ12 (PS/2 Mouse)
PNP/PCI Configuration à IRQ14 (IDE1)
PNP/PCI Configuration à IRQ15 (IDE2)

IRQ 3	
Legacy ISA PCI/ISA PnP	ƒp“G–z' ƒw,¸“ISA ¥d¤Sƒ‡PnP ¥\¡A N» ›n« 'wIRQ ¤ ·'¥ƒ“”¥\ ¡C‡o¤¿ ¶ ¥i¯ –z¤ §« 'w IRQ „ Legacy ISA ¥d'M PCI/ISA PnP ¥d¤¥C• –z« 'w‹Y@ IRQ ‹ Legacy ISA , ¤t†•|‡q“ PnP BIOS –N' ‡] “”IRQ «0 d „ wƒw,¸“” ISA ¥d¤¥¡C …„w‡]›¨‹ PCI/ISA PnP¡A‰—“'•Nƒ‡¤PCI ¥d(,ß´´«‹“PCI ¥d £¥)- ¤ˆ£» ›n¤¥ IRQ¡A·N¥i«0d „ISA ¥d¤¥C

PNP/PCI Configuration à DMA 0
PNP/PCI Configuration à DMA 1
PNP/PCI Configuration à DMA 3
PNP/PCI Configuration à DMA 5
PNP/PCI Configuration à DMA 6
PNP/PCI Configuration à DMA 7

DMA 0	
Legacy ISA PCI/ISA PnP	ƒp“G–z' ƒw,¸“ISA ¥d¤Sƒ‡PnP ¥\ ¡A·N¥†¶•« 'wDMA ‡q „D¤ ·'¥ƒ“”¥\ ¡C‡o¤¿ ¶ ¥i¯ –z¤ §« 'w DMA ‡q„D „ Legacy ISA ¥d'M PCI/ISA PnP ¥d¤¥C• –z« 'w‹Y@ DMA ‡q „D‹ Legacy ISA ¡A¤t†•|‡q“ PnP BIOS –Nƒ„DMA ‡q„D «0d „' ƒw,¸“ISA ¥d¤¥C …„w‡]›¨‹ PCI/ISA PnP¡A‰— “'•Nƒ‡¤PCI ¥d¤ˆ£» ›n¤¥ DMA ‡q„D¡A·N¥i«0d „ISA ¥d ¤¥C

PNP/PCI Configuration à PCI IDE IRQ Map To

<u>**PCI IDE IRQ Map To**</u>
ISA
PCI-Slot1
PCI-Slot2
PCI-Slot3
PCI-Slot4
PCI-Auto

ƒ‡@¤‚ß´´“” PCI IDE ´X¥R¥d£ ·' PnP ¥\ ¡C‡o¤ ¥d» ›nƒw‚¸ƒb« 'w“”´X¥R¥d… ¯ BIOS ›«•s‹[”c PnP ‚Œ•‰¡Cƒ„¥\ „‡\–z¿ PCI ·¡… „PCI IDE ´X ¥R¥d¤¥‡]'w Auto •|ƒ ‹[”cwƒw‚¸“”PCI-IDE I´X ¥R¥d¡C

PNP/PCI Configuration à Primary IDE INT#
PNP/PCI Configuration à Secondary IDE INT#

<u>**Primary IDE INT#**</u>
A
B
C
D

‡o¤ › ¿ ¶ ¥†¶•“PCI IDE IRQ Map To" ¶ ¥ ¤¥C –z¥i¥H« 'IDE ´_ „PCI IDE ´X¥R¥d“primary 'M secondary ‡q„D¤¥C@› PCI ·¡… ‡£ƒ‡¥|PCI ´_¥i‡Q« 'wC–z¥†¶•¥ ‡]"PCI IDE IRQ Map To" ' ¤¥“”·¡… ¡Aƒ¤ ƒ„« 'w PCI ´_ „' ƒw‚¸“”´X¥R¥d¤ ¥¡C

PCI Slot	Location 1 (pin A6)	Location 2 (pin B7)	Location 3 (pin A7)	Location 4 (pin B8)
Slot 1	INTA	INTB	INTC	INTD
Slot 2	INTB	INTC	INTD	INTA
Slot 3	INTC	INTD	INTA	INTB
Slot 4	INTD	INTA	INTB	INTC
Slot 5 (if any)	INTD	INTA	INTB	INTC

PNP/PCI Configuration à Onboard SCSI BIOS

<u>**Onboard SCSI BIOS**</u>
Disabled
Enabled

ƒ„¿ ¶ ‡]‹Disabled“”‚¡Aƒ]‹ ‹ ¥hPOST SCSI BIOS‚ J“” ¶A ¥H¥i¥[‡t¤t†¶¡Qƒ ‡o» @¤A –z·N L“kƒBIOS U¶iJ SCSI BIOS ‡]'w† ”A¡C

PNP/PCI Configuration à Used MEM Base Addr

Used MEM base addr
N/A
C800
CC00
D000
D400
D800
DC00

ƒ„¿ ¶ ¥†¶• tƒ‰Used MEM Length" ¶ ¥ ¤¥Cƒp“G –z' ƒw‚¸“ISA ¥d¤Sƒ‡PnP ¥\¡A·N¥†¶•« 'w O —¯Ø e¶q¤ ·'¥ƒ“”¥Aƒ ƒ„¿ ¶ «h¥i« 'w‡Q«Od“” O —¯Ø“¯¶¡¶}'lƒ §Q}

PNP/PCI Configuration à Used MEM Length

Used MEM Length
8K
16K
32K
64K

ƒp“G–z' ƒw‚¸“ISA ¥d¤Sƒ‡PnP ¥\¡A·N¥†¶•« 'w O —¯Øe¶q¤ ·'¥ƒ“”¡¥Aƒ„¿ ¶ ¥i‡]'w' » ›n O —¯Ø e¶q¡A¤^‡q“ PnP BIOS –N O —¯Ø“¯¶¡«O d „' ƒw‚¸ ISA ¥d¤¥C

PNP/PCI Configuration à PCI Slot1 IRQ (Right)
PNP/PCI Configuration à PCI Slot2 IRQ
PNP/PCI Configuration à PCI Slot3 IRQ
PNP/PCI Configuration à PCI Slot4 IRQ (Left)

PCI Slot1 IRQ
3
4
5
7
9
10
11
12
14
15
Auto

‡o› ¶ ¥ ¥i¥H¯ –z¥H “” ƒ¡‡]'w¤C @¶ PCI “ ¥[¥d“”IRQ ›¨¡C›Y¿ Auto¡A¤t†·N•|ƒ ‹£¥i¥“” ›¨¡C

›Y¤Sƒ‡S§O“”› ¡A]« ˜‡–z‡ ƒn¤¥„w‡]›¨Auto¡C

3.7 Load Setup Defaults

ƒ„¿ ¶ ¥i–BIOS ROM , J‡ ƒX A“”‡]'w©›@ º¤¥“ ‰—§Q¥ƒ„¿ ¶ , J„w ‡]›¨¡A‡o¤„w‡]›¨•|…v¯T' ƒ‡Setup ¶ ¥¡A £F…—•“” CMOS ‡]'w¡Cƒp“G–z “”¤‡ƒw‚¸ß “e¶q“” O—¯Ø¡Aƒ´X¥R.]·í"¡´X¥₨d¡A§› « ˜‡–z¤¥ƒ„¶ ‡] 'w¡C

ƒ„¿¶ ¤^£¤£–o‹Ct ƒw¥“”¤t‡]'w¡A' ¥H›¥¤t† ¢¥ £^›'w“”“‹"p¡A–¾¥i¥H¥ “”ƒ¡ƒb "BIOS Features Setup" 'M"Chipset Features Setup"¿ ¶¡A‡]'w ‚ß"C'M‚ß^›'w“”‡]¢w

3.8 Load Turbo Defaults

ƒ„¿ ¶ ¥i, Jƒs'BIOS ROM ‚ß “˜†v“”„w‡]¢¨ö¤, “J"„w‡]›¨•|…v¯T' ƒ‡“”Setup ¶ ¥¡A £F…—•“” CMOS ‡]'w¥H¥¡C “˜†v“”‡]'w›¨„ ¤t†ƒ ¤¥¥i £¢Ct ¤"”‡]'w¸¨¡Aƒp"G–z“” O—¯Ø e¶q£j¡A]ÞSƒ‡ƒw¸« ƒń X¥R¥d¦A·N¥i ¥Hƒ …{ƒ„¶ ‡]¡'¢w

–z]¥i¥H¥ “”ƒ¡ƒb "BIOS Features Setup" 'M"Chipset Features Setup"¿ ¶ ‡]'w ..¡Ā¨ ¤t† –o§ ƒn“” ƒ¡C£‡¸¥L–z›n¥ `A, ' ƒ‡“”¿ ¶¡A¥\ ƒ]‹ “‡t‡]'w›¨¤ ·„Ø† 'M ‡¥‰d¦A¥£ƒÞ “ 3% ¤ 10% “” ƒ ˜†¡¢

3.9 Integrated Peripherals

ƒp“GƒbD¥Ð¿ ‡ ¿ “Integrated Peripherals” ¶ ¥ ¡A§Y• |ƒb¿ˆ„ W¯ª¥ ƒp U e ›–¡G

Integrated Peripherals à IDE HDD Block Mode

IDE HDD Block Mode	ƒ„¶ ¥ ¥i‡]'w w”—¥Hƒh” ƒ¡Ã¶¤ˆê¥‚ÎE £¤C › ””—“”´_‡B†z¡C¶j‡¡¥ “” IDE w”—‡£¥i ·'ƒ„ ¶ ¥\¡A £F‚ßƒ›– ¥X“” w”—¥i ¤Sƒ‡‡]›pƒ„” ¶¿Ø… ƒ¡¡C
Enabled	
Disabled	

Integrated Peripherals à IDE Primary Master UDMA
Integrated Peripherals à IDE Primary Slave UDMA
Integrated Peripherals à IDE Secondary Master UDMA
Integrated Peripherals à IDE Secondary Slave UDMA

IDE Primary Master UDMA
Auto
Disabled

ƒp“Gƒw‚¸ƒIDE ‡s– „W““IDE w”–ƒ‡ ·'UDMA … ƒ¡¡A¥i–N …‡]‹Auto¡A¥H– Ultra DMA/33 “‡t¶ ¿Ø… ƒ¡C

Integrated Peripherals à On-Chip Primary PCI IDE
Integrated Peripherals à On-Chip Secondary PCI IDE

On-Chip Primary PCI IDE
Enabled
Disabled

ƒ„¿ ¶ ¥i‡]'w'¤œ ‡s– ƒb primary IDE ‡s– „ W““ IDE ‡]‡¡C

Integrated Peripherals à USB Legacy Support

USB Legacy Support
Enabled
Disabled

ƒ„¿ ¶ ¥i‡]'w'¤œ USB ` ‰L“”¯X {¡fÇ¡ƒp“G•Q›n ¤¥ USB ` ‰L¡AS¤Sƒ‡ AƒX“”¯X ¡{¥¡–N …‡] ‹ Enabled¡Cƒ„` ‰L¯X {ƒ¡”« ƒBIOS ”¡A¥i… ¶†` ‰L'R¥O¡A¤^¥Bƒb¶} ƒ POST {§ – USB ` ‰L¥\¡C …„w‡]›¨‹ Disabled¡C

ûĎâ®âĝ: ûĎâáë¬ämìćæčãČ USB ñzñĄçj USB ôąðČ ÿĢûiß`ä®èdå]õ¼æ²ðČâµäµöĉUSBăuîĈó¹äßß^ûĎæĸ ìĶ "USB Legacy Support" ãyíĞß`

Integrated Peripherals à USB IRQ Released

USB IRQ Released
Yes
No

USB ‡]‡“” INTD# »PPCI slot4 ‹ ƒĦ¡Cƒp“Gƒbslot4 W ƒw‚¸PCI ¥d¡A¤^›n¤¥ INTD# ¡Á‰––N …‡]‹Yes¡A §Y•|¤œ USB ‡]‡' ƒß¥“” INTD# (´_ƒ §)}¡C

ûĎè}õk: â]íîæđùßß^PCI VGA ã¢âáùěãČæĪ PCI ââ Ã|ß^ ï¸ã§ãeåĢ PCI VGA ã¢òßä slot4ß`

Integrated Peripherals à Onboard FDC Controller

Onboard FDC Controller
Enabled
Disabled

ƒ„¿ ¶ ¥i‡]'w‡nƒ¡””– “¦Ç¥þ\“G•Q¤¥¥~– ƒ¡“” ––¤ ¥d¡A‰––N¿ ¶ ‡]‹ Disabled¡C …„w‡]›¨‹ Enabled¡A¥i¯ ””– ¥¿–‘„ßÇS@

Integrated Peripherals à Onboard Serial Port 1
Integrated Peripherals à Onboard Serial Port 2

Onboard Serial Port 1
Auto
3F8/IRQ4
2F8/IRQ3
3E8/IRQ4
2E8/IRQ3
Disabled

ƒ„¿ ¶ ¥i« 'w¥D “OW“”ƒŒƒC‡s– „ƒ¡Ç‚}w‡M´_ ›¨‹ **Auto**¡C

ûĎè}õk: ä®èdï¸äñæčãČøĲöĲã¢ß^ûĎûqçµâãĀ|äĪå» ùmæĢããèøñzñĄæāâáêęûĂß`

Integrated Peripherals à Onboard Parallel Port

Onboard Parallel Port
3BC/IRQ7
378/IRQ7
278/IRQ5
Disabled

‡o› ¿ ¶ ¥i¥H––¤ ″« ¥›ƒ “”ƒ ßÇ}»P´_

Integrated Peripherals à Parallel Port Mode

Parallel Port Mode	ƒ„¶ ¥ ¥i¯ –z« 'w¤ˆƒC ¥Hƒ ” §@… ƒ¡¤ ¶¿Ø‚Œ ¡C …„w‡]›¨‹ Normal‚]·N‹ŒSPP (Stand Parallel Port) … ƒ¡¡A‹ IBM AT 'MPS/2 ‹ e… ƒ¡¡A¥i„‡\¤ˆƒC ƒb‡ ƒV… ƒ¡ U¥H¥¿–'‡t« §@¡CEPP (Enhanced Parallel Port) … ƒ¡¡A „‡\¤ˆƒC ƒb´øƒV… ƒ¡U¥H‡ j‡t « §@ŒECP (Extended Parallel Port) … ƒ¡¡A æ‡ “‡t « § § “”´øƒV¤ˆƒC §@¡A‹O¥H DMA 'M RLE (Run Length Encoded) £`Y'M‚ £`Y“”ƒ¡¤ ¶¿Ø‚Œ
SPP	
EPP	
ECP	
ECP + EPP	

Integrated Peripherals à Onboard IR Controller

Onboard IR Controller	– ¥'ˆ ‡‹ IR (‹¥~‰u) ––¤ ¡„C
Enable	
Disable	

Integrated Peripherals à IR Address Selection

IR Address Selection	¥¤ ¿ IR ––¤ „“”ƒ §Ç
2E0H	
2E8H	
2F8H	
3E0H	
3E8H	
3F8H	

Integrated Peripherals à IR Mode

IR Mode	ƒ„¿ ¶ ¥i¥H« 'w‹¥~‰u¶¿Ø“ŸC ƒ¡
ASKIR	
IrDA	

- IrDA - ‡]'wserial port 2 “” §@‹ ¥¿–'… ¡Aƒ„¿ ¶]‹O …„w‡]›¨
- ASKIR - ƒp“Gƒb„q‚£“IrDA ‡s– „Wwƒw‚‹¥–‰u– ƒ‹ „ (IrDA)¡A·N¥i ¥H¤¥ƒ„¿ ¶A‡o” ‡]'w¥i¶ eƒŒƒC T§„F19.2K “i§C

Integrated Peripherals à IR IRQ Select

IR IRQ Selection	¥¤ ¿ IR ¶¿Ø “”IRQ¡C
IRQ3	
IRQ4	
IRQ10	
IRQ11	

ûĎè}õk: ëvï¸äñäµöĉøĲöĲã¢ß^ûĎûqù¹ IRQ æpäñêę ûĂê į ß`

3.10 Password Setting

–K‰X‡]'w¥ï §K¥L H¥…,g-´¯v¡Bƒ ƒ ¤¥–z“”„q,£¡Cƒp“G‡]'wƒn-K‰X¡A¤t†•| ƒb¤Cƒ,¶} '¶i J BIOS ‰¥ {ƒ¡ ¡A¥X†{ @› ·£¥ †¯,„¡A›n¤D–z¿Ø J¥¿‰T“”–K ‰X¡C

‡]'w–K‰X¡G

1. ƒb·£¥ †¯,¡A¡` J‡ ƒh 8› ƒr,“”–K‰X–z' ` J“”ƒr,ƒb¿ˆ„W¥u•|¥X †{‹P,¡C
2. ` J–K‰X«Æ‰–« Enter ` ¡C
3. – S•|¥X†{·£¥ †¡Ā‰¬ƒA` J@ƒ,–K‰X¥H‰T»{–K‰X“”¥¿‰T' Enter ` ¡A§Y•|“‰– ƒ^¤ ¥D pC –

ƒp“G›n¤œv‡]'w“”–K‰X–ƒb¥X†{¿ØJ–K‰X“”·£¥ †¡Ā„‰Æ « Enter ` ¡A e›–W·N•|¥X†{@› T§§i¶D–z–K‰X¤w‡Q¤œ

3.11 IDE HDD Auto Detection

ƒ„¥\ ¥i¥Hƒ »·œ IDE w”–“”«‹”A¡A¤ˆ–N »·œ¤ “” …›¨¶¤ "Standard CMOS Setup" “””Hard Disk” ¿ ¶¡Cƒ‡¤ IDE w”–¥i ·'ƒh† “” …‡Āƒ¤ “G–z“” w”– £ A¥‡o¤ƒ »·œ¤ “” …›¨¡A‰–¿ N £›n¤¥¥ƒ› ¡A¤ˆ¶i J "Standard CMOS Setup" ¿ ¶ ` J¥¿‰T“” ¡C›¨

3.12 Save & Exit Setup

ƒ„¿ ¶ •|ƒb–z´ ¶Setup ‰¥ {ƒ¡«Aƒ xƒs' ƒ‡""CMOS ›¨¡C

3.13 Load EEPROM Default

£F "Load Setup Default" »P"Load Turbo Default" §¥¬¡A–z]¥i¥H–Nƒ v""‡]'w ›¨ƒsJ EEPROM ¡A¤^§Q¥ƒ„¿ ¶ ›«•s¡C J

3.14 Save EEPROM Default

ƒ„¿ ¶ ¥i–N–zƒ v""‡]'w›¨ƒsEEPROM ¡A Ø«Æ›YCMOS ,Œ¿ ¥¢'–z§ –… ƒpƒ › ¥ ‡]'wA¥i´¥ W›z"" "Load EEPROM DEFAULT" ›«•s, ¡C

3.15 Exit without Saving

´ ¶}Setup ‰¥ {ƒ¡Aƒ £•| xƒs§ § „L"CMOS ›¨¡Cƒp"G–z›n xƒs•s""‡]'w ›¨¡A‰–£›n¤¥ƒ„¿¡¶

3.16 BIOS ýkýĻâ³æġ

¥H'„""¥D "O‡£‹BIOS 'æƒb@" " ‹ EPROM "" O –¯¡Ø » ›n§ •s BIOS "" ›¡A¥†¶•¤¥¤ EPROM ¿N¿ ¡A' ¥H@º¤¥" ¤"kƒL ƒ § •s BIOS¡C ƒ •s@¥N""¥D "Ow‡v"¥§ ¥Flash ROM ¤ xƒsBIOS¡A¤ u´Iƒb' ¤¥" ¥u›n ‡z„Lu¤ª {ƒA«K¥iƒ ƒ § •s•s"'BIOS¡A«D–'«KC§ •s BIOS""¥ ""ƒb' ·£ ¤ •s""¥¡A' ·'@¤¥«›–W•s– ¥X""¡CwZØi¤¥ BIOS ¿N¿ {ƒ¡¤ § •s BIOS """'¥»A›n¤œ–o‡ •s'BIOS »P¿N¿ {ƒ‰–‹¢, –z"",g ĄA'"] ¥i¥H¶iJ§ › """ ,(**http://www.aopen.com.tw**) U, (download)¡C¿N¿ «e‰– ‰T'w–z' ¤œ–oBIOS ‹O¥¿‰T""¡¥»@º¤ »¡A–z¥i¥H–q ƒW" ¤ §Ą¯_ ¤ ƒą›Y ƒW‹AP5TR110.BIN¡A·N¥N" ‡o‹AP5T ¥D "O"BIOS¡A¤ "'¥»‹O 1.10¡C

§ › ƒ@·£¤ F¤ › u¤ª {ƒ¡¡GCHECKSUM.EXE AOpen ¿N¿ {ƒ¡ AOFLASH.EXE¡C¤¥"k‰– ƒ ¥HU"¡G¤BJ

[CHECKSUM.EXE]

‡o› u¤ª {ƒ¡¥i¥H –z‰T»{U, BIOS chechsum ‹O§_¥¿‰TC

1. ‰— ƒ CHECKSUM Biosfile.bin
   Biosfile.bin « “”‹OBIOS “”ƒW” (ƒpAP5TR110.BIN)¡C
2. {ƒ¡•|¯ª¥"Checksum is ssss"¡C
3. ‰—æ,ß› ‰§GƒbAOpen ” ,' BBS W“”checksum "ssss"¡A‹ ‹ ‹O§_¥¿‰TC
   ƒp“G£¥¿‰T“”¡A‰—¯ ƒ ¿N¿ “”¡A@ˆ›«•sU, @ƒC,

[AOFLASH.EXE]

ƒ CHECKSUM L»~«ÆA«K¥i¥H¤¥ AOFLASH.EXE ¤ ¿N¿ •s“''BIOS F¡C
‡o› ¿N¿ {ƒ¡•|¥ ¸‹d¥D SuperI/O IC “”«‹,¡A¥H‰T«BIOS ‹O
¥¿‰T“”ƒC‰—“'•NG¿N¿ §„ƒ¤¢Æ› BIOS –N•|‡Q´—»\÷C

1. ¥ A ””—¥H DOS ¶} ø¶} ¡A¤ˆ¥B‰— ¯ ƒ ƒU” O —¯Ø” †z {ƒ¡ (ƒp
   HIMEM¡BEMM386¡BQEMM386, ...)¡C
2. ‰— ƒ AOFLASH Biosfile.bin
   Biosfile.bin « “”‹OBIOS “”ƒW” (ƒpAP5TR110.BIN)¡C
3. ƒb, J•s“”BIOS «ÆA {ƒ¡•| –z‹O§_›n–N´´“BIOS ƒs¤ ””¡A‰—
   ¿ "Y" –N¤ ƒs‹"BIOS.OLD"¡C
4. xƒs´´“BIOS §„†ƒ«ÆA‰—« U"Y" ¶}'l¶iƒ ¿N¿C
5. ä ýkýĻ÷ió¹ãâß^ýã÷ijõºäġãĚâ]äĤ **"FLASHING"** èøîqìå **(**ýkýĻâê**)**¡Aä÷ìćâ¢örâá
   ã§ãĴüj¡C
6. ƒb"FLASHING" T§¥¢«ÆA‰—ˆ ‡‹„q•‰¤ˆ›«•s¶}C
7. ¶} «Æ« U'DEL" ` ¶iJ BIOS Setup e›¡C
8. ›«•s¿ 'BIOS SETUP DEFAULT" ¿ ¶¡A–N¤t†‡]'wƒb‡ ˆ›'w””¡“R”A
   “ –z]¥i¥H‰ ªƒ¤› ¥ ””‡]¡C›¨
9. ¿ "Save & Exit"¡A¤ ƒ„·Nj¥\§iƒ¤ ¡I

ĂóåŞ: ûĎâáë¬ä ýkýĻ÷ió¹ãâ (òkêlõīýā÷ijââăġãĚ "FLASHING" ìć) āĴüjß` ä®èdæpäñýkýĻå÷äæòkāĴüjß^æ² ðČïkóièéêõ±ïĐîĈß^ï¸òkãðôõåıòé BIOS Flash ROM âcß`

òáãĚ: ï¸âzã§ãeæĊò}ämúĉèøó¹åąß^ïkĂÅèçèø BIOS "BIOS.OLD" ú¥ä{ß`

èļýĻ A ï}æáîěāaôîöď

Q: ä®äıîčâþ=**BIOS**=èçãù\

A: AOpen ¥D “O“'BIOS “'¥»•|¯ª¥ ƒPOST (Power-On Self Test) e›–“”¥“W ¤¡C@º¤ »¡A‹O¥H R¶} Y¡A«e›–‹O¥D “O«¡A„Æ›–«h‹OØ¡C¤ ƒþG

AP53/AX53 <u>R3.80</u> Oct.22.1996

BIOS revision

Q:=ä®äıãď=**PCB** wîčâþãaüĵèlèøéêö÷ùmèçãù\

A: AOpen ¥D “O“”“'¥»,„‰X•|…—¥ ƒb PCB W¡A¤ ƒ¡‹ REV:X.X¡C‡q–'‹Oƒb AOpen …—»x»P¥D “O«‹,„“¡C“æ ƒþAAX6L REV:1.2¡G

AOpen

AX6L

REV:1.2

Q: âîùİêl **MMX**ße

A: MMX ‹O•s@¥N Intel Pentium PP/MT (P55C) Pentium II CPU“”‡ ƒ ƒh« ¥O (single line multiple instruction) § ‡N AMMX §« ¥Oƒbƒh·C¯Ø ‡¥WS§Oƒ‡˜(ƒp 3D ¥ ¯Ø…v„‡B3D › ˜¡B T•|˜‡,¸,m)¡Cƒh·C¯Ø ‡¥ {ƒ¡›Y¤¥MMX « ¥O–N ¥ij·T§ ‰u§@C« ø AOpen ¥D “OWƒ‡ƒ ´ø„q•‰ ·'P55C¡A¤ˆ£» ›nS §·„ø¤ ·' MMX CPU §Y¥i¤¥ƒ„@¥'C

Q: **Pentium II** ä îijäĤìĂíĞâtãñä¦â¨èøåĭóû\

A: § › –N•s@¥N“CPU ‡¤ Fæ¡A¥HU“”·œ, †“G·£¤ –z ‹¡C ƒ

DRAM : 64MB EDO ' SDRAM

HDD : Quantum Fireball 1280AT

VGA : Matrox Millennium VGA, 4MB, 1024x768 24bit, 85Hz.

OS : Windows 95 4.00.950

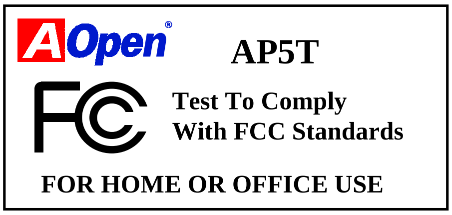
ï}æáîĕāaôîöď

CPU	MB	Chipset	Winstone97 Business	Winstone97 High-End
PP/MT-200	AP5T/AX5T	Intel 430TX	48.3	21.9
PP/MT-233	AP5T/AX5T	Intel 430TX	50.5	23.6
Pentium II 200	AX6F	Intel 440FX	45.3	24.1
Pentium II 233	AX6F	Intel 440FX	48.4	26.5
Pentium II 266	AX6F	Intel 440FX	50.8	28.2
Pentium II 266	AX6L	Intel 440LX	54.5	30.8

¥ ¥H W“”“ § › ¥i¥H o†{¡Aƒb Business Winstone97 “”·œ, †“G ¡A Klamath-233 æ _PP/MT-233 ¤ˆ¤Sƒ‡ƒh t§Dƒ ƒb High-End Winstone97 «o ƒ‡,ß ф§“” †{¡C‡¢¥i‹Oƒ} Klamath B´I„B“ “” Qßƒ┐A ÆX¥ „ §‡B†ƶC

Q: âîùİêl FCC DoC (Declaration of Conformity)?

A: DoC ‹O@” •s“FCC ‡W »{ˆ …┼A•s…—•‡WDIY„s† ¥(ƒp¥D “Dƒb¥ ‰— DoC …—‡„(Logo) ¡A¥¶•† £ · “”„j¡A¤ ·œ, ‡W‰d 47CFR 15.3‡C¥D “O§DoC ·œ, æ¶FCC ·œ, § ¥[§xÆƒp“G¥D “O‡qDbC ·œ, ¡A·N¥N“ ¥D “O“EMI¿ g«D–‘§@ ¥H–z¥i¥H¥¥ ƒ § ‰“”(§Y«K‹O¥¨§@“” · ¥ ¥i)¡C« ø AOpen•s@¥N“”¥D “O‡£w‡DoC·œ, ¡A U„§Y‹DoC …—‡„…¸¥pG



Q: âîùİêl Bus Master IDE (DMA mode)?

A: ¶†“” PIO (Programmable I/O) IDE » ›nCPU ¤ §Uƒ‡ˆ IDE ¥ ‡¡“” ƒ §@¡A¥]‹A ¥« –æ §@“”§Cƒ¤· CPU “”u§@›t ¡A Bus Master IDE ,¸,m ¥i“‰– ƒs¤œ O —¯Ø,¡A E» ,g¥CPU¡A¥B¥i¤ CPU „B§@'M O —¯ØIDE ,¸,m ¶¡“”,Œ¶ eƒP ¶¡Cƒ£„L Bus Master IDE » ›nBus Master IDE ¯X {ƒ¡'M Bus Master IDE w”—¤ ·'¥i¥¿–‘¡C§@

Q: âíùÌêl **Ultra DMA/33?**

A: ‡o‹O@" •s""‡WA¥ ""ƒb§ ‰ IDE w"–""¶¿Ø†X¶†§ PIO Mode ¶¨¤¥ IDE ––¤ «H,„ŠW‰t (Rising edge) ¤ ¶¿Ø„ŒA DMA/33 «h¥iƒP ¤¥W‰t'M U‰t(Falling edge) ¡Aƒ]ƒ„,Œ T¶¿Ø†v‹PIO Mode 4 ' DMA Mode 2 ""¤ ›¿A (16.6MB/S x 2 = 33MB/S) ¡C

U" ƒC¥XDE PIO 'M DMA Mode §¶¿Ø†MAƒ] IDE ¶ ‹y–‹O16 bit¡A‹G¤Cƒ,¶ ¿Ø‹O2 byte¡C

Mode	Clock per 33MHz PCI	Clock count	Cycle time	Data Transfer rate
PIO mode 0	30ns	20	600ns	(1/600ns) x 2byte = 3.3MB/s
PIO mode 1	30ns	13	383ns	(1/383ns) x 2byte = 5.2MB/s
PIO mode 2	30ns	8	240ns	(1/240ns) x 2byte = 8.3MB/s
PIO mode 3	30ns	6	180ns	(1/180ns) x 2byte = 11.1MB/s
PIO mode 4	30ns	4	120ns	(1/120ns) x 2byte = 16.6MB/s
DMA mode 0	30ns	16	480ns	(1/480ns) x 2byte = 4.16MB/s
DMA mode 1	30ns	5	150ns	(1/150ns) x 2byte = 13.3MB/s
DMA mode 2	30ns	4	120ns	(1/120ns) x 2byte = 16.6MB/s
DMA/33	30ns	4	120ns	(1/120ns) x 2byte x2 = 33MB/s

Q: âíùÌêl **ACPI (Advanced Configuration & Power Interface)** çj **OnNow**ße

A: ACPI ‹O1997(PC97) "" @" •Š"„q•‰"†z‡W¡A¤ ¥""ƒb§ ¶i@¤B,¥ §@•¤t † (OS)¤ ,'‹ „q•‰ƒ £‡z„L¶† Green PC BIOS¡A‹ „F¤ ƒ„¥ "" Chipset ' Ultra I/O ·„ ø» ·£¤ …—• ¶›– (Standard Register Interface) „§@•~¤t† (ƒp Win98)¡A¤^¥I '§@•~¤t†‡ ¿W^ ‡‹'M‹ ·_ £ƒP·„ ø„q•‰ §¥\ ¡A‡o•Q"k‹Oƒ‡´I „‡ H·¡§Y¥PnP §¶›– (Register Interface)¡C

ACPI ‡W'w¤¥ L‹qƒ¡„q•‰« `(Momentary Soft Power Switch) ¤ ––¤ ¥„q•‰ "‹"p§`·¡‹Aƒ]ƒ„¥†¶•ƒb ATX Form Factor tƒXMomentary Soft Power Switch ""¤¥U~ „ ¯ª¤ ¡Č"G ACPI ‡ §l @º„q,£¤¥" ""‡¡¥ ¥i ‹O¥ ¥i˜ ƒ¡ „q,£(Notebook) ' ' føƒ ¤ """c"¥QnNow"¡C‡o¥\ „‡\§A ¤Wƒ^¤ W@ƒ,^ «e""u§@ e›Aƒ £¥"Æ" ¶¡ ¥« –q¶} – (Bootup)¡A¶iJ Win95¡A M«Æ ¶iJ Winword¡C¤¥ TX ·„ø§« ø AOpen AX5T¡A§Y ·'ACPI ¥\ ¡C

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Q: » ‹O**ATX Soft Power On/Off 'MMomentary Switch?**

A: ATX‡W “”‡n¯Ø– (Soft Power On) ‹O• ¥D„q•‰ˆ ‡¡A ·£¤ @› « 'R„q ‹y (Standby Current) ' @ S ƒ^, ¡A¥' ¥« ‡Œ¿ „q‚£ §¤¥ (Wake Up Event)¡C æƒp»¡‹¥~‰u‡Œ¿B.. ‡Œ¿ '`n› ‡Œ¿@º¤ »¡A‡ ´†‡ “”‡B†z ‹O·£¤ ¥› „q‹y'„q•‰`·«ƒ¥]ƒ„ L‹qƒ¡„q•‰¶}ˆ (Momentary Switch) ¥i ¥ „q•‰¤ ‡ „“”‡n¯Ø„q•‰–¤ ” (Soft Power Control Pin) ¶}– '^ ‡‹¥D›n„q •‰¡C« øAOpen §ATX¥D “O§¡ ·Momentary ¶}ˆ ¥BX5T/AX58/AX6L ‹ ‡] ›pƒ‡… ‡Œ¿ §¥\ (Modem Wake Up)¡C‡n¯Øˆ (Soft Power Off) «h‹O« ¥ ‡n¯Øˆ ‡‹ ¡AWin95“”…¨ –(Shutdown) ¥\ ¥i¥H¥¤ ¸·œ–z“”¥D “O‹O§_ ·'‡n¯Øˆ ¥\ ¡C« ø AOpen ¥D “O §AX5T/AX5TC/AX6F/AX6L/AX6LC/ AX6B/AX6BC/AX6B Plus ‹ ·'‡n¯Øˆ §¥C\

Q: » ‹O**RTC Wake Up Timer?**

A: RTC (Real Time Clock) ‹O@› ^ ƒ „ql¿ “”„¡A¥¤i¥H H § •s¤t†“”Ø·`»P ¶¡¡CWake Up Timer ·N„‡‹O x„a@¡A‡]'w“” ¶¡@¤A¤t†·Nƒ ¶}¡C ‡o› ¶¡¥i¥H‡]'w‹ ¤C@ “”¡A›]¥i¤H‹O¤C› º“”‹Y›¡C¶¶¥i¥ BIOS setup -> Power Management -> RTC Wake Up Timer¡A& Enable¡CRTC ‹O¤C¶ ¥D “O “”…–•‚¸‚m¡Aƒ Wake Up Timer «o¤ˆ £‹O @” …–•“”‡]›p¡C AOpen AX5T/AX5TC/AX6F/AX6L/AX6LC/AX6B/AX6BC/AX6B Plus ‡£ƒ‡ ·' RTC Wake Up Timer¡C

Q: » ‹O**Lan Wake Up?**

A: Lan Wake Up ‹O@” ¥i¥H¯ –z–q»•” ––¤ ” ‚P¤ (§Y¤‹O‡B' ˆ ””“‹)”A “” ƒ¡¡C• client ” ¤t†ˆ ¡A–z¥i–q›•” ‡z„L” ” ‡n¯Ø¶ e @› wake-up frame (' Magic packet) „¥ƒi¡Cƒ„ client ” •| ¸‹d‡o‡frame ‹O§_§tƒ‡¥¿‰T“” MAC ƒ §}¡A›Yƒ‡“”¡A«K‡Œ¿ ¤t‡A·Nƒpƒ¤P¤¥“ « U¶}ˆ ¥·¶} ¡C„@…¸ U¤ ·N¥ ” ” ‡n¯Ø¡A ƒ ¤ ¥ƒ“”u§@F

Q: âîùÌêl **AGP (Accelerated Graphic Port)?**

A: AGP ‹O@› ^ ƒ PCI ¶ ‹y–“”•s¶¡›A¥D›n¥ …–ƒb' “˜ 3D ^‚„”” ‡¡¥A ƒ ¶¨ ·' O —¯Ø¯“…g §@ (Memory Read/Write Operation) 'M @„ @¶¿Ø (Single-Master Single-Slave one to one only)¡CAGP ¤¥ 66 MHz Clock “”W‰t (Rising Edge) U‰t(Falling Edge) ¤ ¶»…¸¡Œ‹G¶¿Ø†v‹ 66MHz x 4 Byte x 2 = 528MB/S¡CAX6LC ¤¥“” Intel LX ·„ø«K¥i ·' AGP ¥\ ¡C

Q: ƒb**440BX** ¥D "O W**AGP** "" W†v‹ ƒ **?**

A: ¥H'„AGP "" W†v‡£‹O»Intel 440LX ·„ø† ‹ ƒ¡A›Y 440LX ¶]75Mhz¡A«hAGP]›n¶]75MHz¡Cƒ ƒ]‹ Intel 440BX ·„ø† ¥i¥H ·' 100Mhz ¥~ W¡A‡ow,g¶W ¥XAGP ""‡W ƒA' ¥H§ › ¥†¶•§ ¤ W†v«O«ø66Mhz¡A L‰ ¥D "O""¥~ W‹ ƒ ¡A‡o…¸ æ,ß ‰T«O¤t†""¡C'w'

Q: ‹ » ƒb **Windows'95** "",¸,m" †z›ß U¡A **AGP VGA** ¥d»P **PCI-to-PCI bridge (' AGP bridge)** •|‹ ‰˜‹ **?**

A: ‡o‹O¥¿–'"""‹¡"Oƒ]‹ Windows'95 ¥»£ ·' AGP¡A' ¥H•|ƒ‡»~§P""¡C§ „L¡A‡o¤ˆ£•|…v¯T¤t†"¡A" ¥H£» «j–j¥h§@›¡C«¿ Microsoft Windows 98 – ¥X«A£A• •|, ¤Mƒ„ ¡C

Q: ¤" § ƒb¡@**BIOS Setup** w,g¶]}– F¡@**APM**¡Aƒ ‹ ƒ **Windows 95** ––¤ ¥x, ` ‹O ¤Sƒ‡¯ª¥ ¡u„q•‰" †z¡v„¥ 'O **?**

A: ˆD‹O¥Xƒb–zƒw„Windows 95¡@ ¤ˆ¥…– ¥¡APM ¥\ ¡C' ¥H–z¥†¶•ƒbBIOS ""APM ¥\ – ¥«¡A›«•sƒAƒw,¸@ƒ, Windows 95¡C

Q: ‹ ƒ ¤t†ƒb **Win95** U L"k¶i J **suspend** … ƒ¡**?**

A: ‡oƒ‡¥i ‹O»Fƒ]'CDROM ‡]'w›¨Aƒ]‹ ƒbWin95 CDROM """ƒ ƒw·¡‡q " " ¿ ¶ „w‡]›¨‹O¶}–¡A" ¥H¤t†•|«ø˜ "–––z"CDROM¡A¥H«KƒC‡D ø'æ J ¥i¥Hƒ ¡Aƒ ‡o–N•|…v¯T¤t†¶iJ¡@suspend … ƒ¡¡C›n, ¤M‡o› ¡A¡D ¥i¥H¶iJ––¤ ¥ž ¤t† è ,¸,m" †z›ß CDROM è ‡]'w›¨Aˆ ‡¨ƒ ƒw·¡ ‡q" " ¿ ¶ §Y¥i¡C

Q: åĘöđä®äıåmĀ| **Windows 95** èøèçãùçl**?**

A: –z¥i¥H¤ • ¥HU""¤BJ¤ ¸ Windows 95 """'¥»G

1. « ¤ ½u––¤ ¥x¡v¡"t†¡v„¥C
2. ¿ ¤q u @º¡v…–¯¡C
3. –q¡u¤t†¡v…–ˆDA–z¥i¥H†M•¡""‹ ¥X Windows 95 """'¥»G

4.00.950	Windows 95
4.00.950A	Windows 95 + Service Pack or OEM Service Release 1
4.00.950B	OEM Service Release 2 or OEM Service Release 2.1
4.00.950C	OEM Service Release 2.5

›Y–z†{ƒb ƒ ””‹0 OSR 2.1¡A¥iƒb–¤ ¥x””¡u•s..W† £ {ƒ¡¡v, ‹ ¤ "USB Supplement to OSR2"¡C¥t¥~¡Aƒb Windows\System\Vmm32 ,Œ §¤ U¡A ¸‹d Windows\System\Vmm32 ”” Ntkern.vxd ‹0§_‹0Œ4.03.1212 ”'””¡C

Q: LX/TX/BX ¥D “0”¤t†ƒw,¸ƒn **Win95** «Æ¡Aƒb¡u,¸,m″ †z›ß¡v U•|¥X†{·X› **"?"** †¯,„¡A§ ‡, ƒpƒ £‡o¤ ,„'0¡H

A: ‡o¤ ,„‹0¥ 'Win95 L“k¥¿‰T¿º LX/TX/BX ·„ø† ' ›¡P§Y¤ƒpƒ¡,–z””¤t †¤ M¥i¥H¥¿–'„B§@„L ' @¤¤¥”›n¤PA§ ›]·£¤ F@› AOchip u¤ª {ƒ¡¡A¥i §U–z, ¤M‡o› ¡C‡D› {ƒ¡¤¥W«D–'´¡Aƒ ¥B A¥' ' ƒ‡ ””LX/TX/BX ¥D “0Aƒ £¥u››'w'AOpen ””†£«†C¥u›n–z˜––oƒ¡A¥i¥Hƒ ¥ U, »P·†¡C¥t¥~›Y–z•Q›n¤¥ USB ,¸,m¡A` ¥†¶•ƒ‡USB ¯X {ƒ¡A‡oƒb Win98 –N•|·£¤C

Q: ƒpƒ ƒw,¸ **Windows 95 USB** ¯X {ƒ¡ **?**

A: ›Y–z‹0 Win'95 OSR 2.0 ””¤¥“ (.950B, ¯ª¥ ‹ "PCI Universal Serial Devices")¡A‰–¥ –q Microsoft ” ,'`¶R„q,£””…t ‡B¤Œ–o Microsoft USB supplement (USBSUPP.EXE) ‡o› {ƒ¡¡Aƒw,¸ §«Æ¡A–z•|ƒb––¤ ¥x””¡u•s..W† £ {ƒ¡„¡v‹ ¤ "USB Supplement to OSR2"¡Cƒw,¸ §«ÆAƒA ƒ AOchip.exe ¡A ƒpƒ„•|ƒbu,¸,m″ †z›ß¡vU¯ª¥¡@› USB Controller¡v¡C

›Y–z‹0Win'95 OSR 2.1 ' 2.5 ””¤¥“¡A«h¥u›n¤¥ AOchip.exe ·Nƒnƒ¡C

‡ «Æ¡A›Y–z‹0Win'95 ¥¿ƒ¡“'””¤¥“ (.950 or .950A)¡AMicrosoft ¥ «e` ¤Sƒ‡·£ ¥X, ¤M””¡Aƒ „w›p Windows'98 –N¥i¥H, ¤M‡o› ¡CD

Q: » ‹0**jumper-less** ¥D “0?

A: AOpen AX6L/AX6LC/AX6B/AX6BC/AX6B Plus ‡£‹0–˜¥jumper-less ‡]›p¡C‡o ” ¥D “0¥i¥Hƒ »ŒPU „q £¡A¤^¥B¥i¥H¯ –zƒCMOS Setup ‡]'wCPU W†v¡Aƒ L¶•¤¥¤ jumper¡Cƒ ¥B„Œ» “CPU ,Œ T•|ƒs'æƒEEPROM ¡A,U @CMOS ¤S„qƒP S§ –…¥¿‰TCPU W†v¡A–z] L» ¥·¶} · ¡Aƒd ‡o] ¥¿‹0@º jumper-less ¥D “0‡ £«K“ƒa

Q: » ‹0**battery-less** ¥D “0?

A: AX6L/AX6LC/AX6B/AX6BC/AX6B Plus „B¥F EEPROM »PS ‰u, (w¥ ‰––M §Q¡A¥i¥H¯ –z xƒs¥ «ŒPU »P CMOS Setup † ”¡A¥B L» ¤¥„qƒC¥u›n ¥D„q•‰‰uƒ‡·¡ARTC (real time clock) ·¥i¥H«ø˜ „B§@›YCMOS ,Œ•N¥˜ ¿ ¥¢ƒA–z¥u›n¥ EEPROM ›«•s, JCMOS † ”A¡A¤t†«K•|ƒ^·_¤ ¥¿–'¡ƒ”A

Q: ¤¥ƒ ·_ƒ¡«O I •“”ƒn‡B‹ ƒ **?**

A: ¶†“”“†_ƒ¡«O I• (pico-fuse) ›Y¿N·¡A«K»›«•s,m·«@¡C‡o› §@¥†¶¥ –M•~“”“ß› u {v~ ¡A«¤¶O S» ¶Oˆ B¥~“”ƒ¤¥» ‹ § £´_¶¡A B AOpen ¥D “O w¶}'l¤¥‡ •s“”ƒ ·_ƒ¡«O I • (Resetable fuse) ¡A‡o” PolySwitch § ƒ‡˜ƒa«O¯@–z“”` ‰LSB „q, ¡C• ƒ‡‹ “i„q‹y†£A‡o› PolySwitch •|ƒb•¥ u“” ¶¡”„F¤ “¡A ¤«Æƒb‹ “i¥¢A£ƒ ƒ^·_ƒ¤› 'l“”“‹”AC

›n¥R ·' USB “”… ·¡' ¥\A‡ ƒn` ‹O¤¥‡o” ƒ ·_ƒ¡«O CI •

Q: » ‹Oƒh»y¤t **BIOS?**

A: ‹ ·£¤ AOpen ¤¥“ ‡ ¤“” ¡A' AOpen ‡n¯Ø¶} o‡¡“ø,g„L£´_“”¡A`†, ' §J“AF' ƒ‡“” ¡AƒF¤¥\ oi¥X·£¤ ƒh»y¤¥“'¥BIOS “”§ ‡N C

–z¥i¥H–q§ › “”” ,U, –z' ›nBIOS “'¥»(„‡‹O)¡A›«•s¿N¿ ¤ –z“”¥D “OW C¥H«Æ¶iJ BIOS Setup e›–¡A¥u›n« U F9 « `¡A·N¥i¥H`·«ƒ¤ “” e›¬¡AƒA« @ƒ,F9 §Y¥iƒ^¤ ›^ q C–

‹ «H‡o› § ‡N„ –zƒb‡BIOS ¶ ¥ ¡A–Nƒ‡' §W

Q: » ‹O w¯Ø“–– **(Hardware Monitoring)?**

A: AOpen ATX (AX5TC/AX6L/AX6LC/AX6B/AX6BC/AX6B Plus) ¥D “O ·'Fƒh ” ƒ‡¥“” w¯Ø”––¥

1. „L„q‹y«O¯@ ¤ªƒ‡CPU „q £„L„q‹y«O¯@“”¡A\tƒX› ¤ “”„q•‰¤ ‡ „–N¥i·£¤ ¥ ƒ “” u, «C@ O
2. ¤t†„q £“–– :«ø˜ ”––¤t†u§@¡A ¸£‹d‹O§_ƒ‡¤t†„q £¶W„L,¥ …—• “”–¡§A›Yƒ‡‡o” –¡AN•|,g¥ u¤ª {ƒ¡ (¤ ƒp Hardware Monitor Utility) „ ¤¥“ o¥X˜ §i¡C§
3. **CPU** „L… «O¯@ • CPU •¯« “' „w¥ 'w,q“”•¯¡A CPU ‡t« –Nƒ › §C¡A¤ˆ¥B,g¥ ‡¥‡n¯Ø o¥X¡C§i
4. ›• ”–– :¥D “OWƒ‡¤ › ›• ¬¡A@› ¥i¥' CPU ›• ¡Aƒ ¥t@› «h ¥i¥H „ · “”›•¡C¤¥„Lu¤ª {ƒ¡ (¤ ƒp Hardware Monitor Utility) ¡A¤t †ƒb›• ˆa–¡.A–N¥iƒ ·£¥X˜¡§i

Q: » ‹O **Hardware Monitoring Utility (AOHW100)?**

A: ‡o‹O¥ AOpen ‹ª o¥X¤ “” w¯Ø”––¡¤¥Ø1¥H¥¤ ”––¤t†„¡C•£« »P›• ¥¡A¤ ƒW‹AOHW100¡A¤ 100 “ ¥ “'¥»A¥H«Æ¥i •|ƒ‡§¡C sz¥i¥H¥ H“ “”¥œ”—Ø'§ › “”” ,¤œ–o‡o›C ‡n¯Ø

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Q: ‹ ƒ « ø AOpen¥D “O¤¥‡\ƒh„q, (**Electrolytic)** „q eƒ £¤¥'Z‰ **(Tantalum)** „q e?

A: „q, „q e«~‰¤ «‹„ …t t†§•¥ j¡C @ º¤ »¡'Z‰„q e“”«~‰ æ„q, „q e ƒn¡Aƒ »ø 'ø¶Q«~‰ u¤}“”„q, „q e«o æ'Z‰„q e›nƒn¡C‡ ƒ› AOpen ¥D “O CPU ‹0¤¥ 100uF “”'Z‰„qe¤ › §C CPU „q £”§“¡voltage ripple)¡Aƒ •s “”§ ‡N§ ¶iƒ¤¥\“”–1ø00uF •¥§CESR (Equivalent Serial Resistor) “”„q, „q e¡A¤ ESR ‹ 0.15 ohm¡Aƒ 'Z‰„qeƒ ›n 0.7 ohm¡C¥HU‹0¥ «eø AOpen ¤¥“”„qe‡WG

'Z‰ SPRAGUE 100uF,
Part number 595D107X06R3C2T,
Max ESR is 0.7 at 25 degree 100KHz.

„q, SANYO 1000uF,
Part number 16MV1000CG,
Max ESR is 0.15 at 20 degree 100khz.

¶Vƒh„qe¤ˆ£¥N“ CPU „q £@'w§ ƒA˜p †ƒb„qe“”ƒ¡Çfº‰T“”“k‹ ¤¥ xƒsƒ¡¥ “i „“‰– ·ø¶QU „q £¡A• MA¤¥“ « ˆ‡o…¡C‡o´I AOpen §„ ¥ ¿ ‡Yntel¡BAMD Cyrix “”‡]›p‡W‰ø¤ˆ¥B‡q„Intel¡BAMD Cyrix “”»{ˆ¡C

Q: » ‹0**PC 100 SDRAM?**

A: ` M440BX ·„ø† ƒ‡ ·' 100MHz ¥~ W¡Aƒ ¶†“” FPM »PEDO DRAM «o L “kƒb‡o” ¥~ WU¥¿–‘„¡B§@F¥R ·' 100MHz ¥~ W¡AIntel ·£¥XF@› "PC SDRAM Specifications" ¤ ‹ •s @¥N SDRAM ‡]›p“”¤ ¡A‡o]·N‹0' ¿ “” PC 100 SDRAM ‡W¡C›nƒb100MHz ‹ƒ § “”“¥~ ¡WU¬o¤ ,ßƒn“”˜ »Pˆ› 'w'¡A§ › –jP« ˜‡–z¿ ¥†¯ƒXPC 100 ‡W “” SDRAM¡C

Q: 440LX »P**440BX** ·„ ø† “”¥D›n t†§‹ ƒ **?**

A: 440LX »P440BX “”¥D›nt†§ƒpU“ '¡Œ¥

S'	**440LX**	**440BX**
‡ “¥~ W	66MHz	100MHz
SIMM “” ·'	Yes	No
‡ j**DRAM** e¶q	1GB EDO DRAM ' 512MB SDRAM	1GB SDRAM

èļýĻ B ĀðçĴêdùėïĄîá

,U@-z„J¤ ˆDiA UƒC €¥i¥H §U–ƒ § ¸·œiAƒp'G†˜@¶ L‰— , †˜ G ¶ ¡C

òáãĚ: äññyä¦äñãČèøöĬìĄä åĘëĊèøølJëôâøß^ä® jumper ñzçµëĆß^ñĊõ±èø BIOS âČăuîĈó¹äßß^ï}æáîĕāaóãóãß` ûĎñ·ñuåĘëĊèøølJíöß^êĕêĕêlå|äñï¸ùĕë¬èøóèìĕß^åĘ ëĊèøølJå»êlßd

Taiwan http://www.aopen.com.tw

USA http://www.aopen-usa.com
http://www.aopenusa.com

Europe http://www.aopen.nl

ëéë¬: ä òjæaö¥ümîđæıårâåéß^ûĎûqçµï¸âµöē÷iârä` êdùėïĄîáó¹åąß^æāú¥âröĒðđèøîĕāaò·ë¸ß^ãzê^ãaüĵ èléêö÷ß_BIOS èçãùóãß`ò·ë¸ä~õröĒðđß^åĘëĊñ_ð¸âČ öďæjèøñ²éĕõråĚß^éĖĂñï¸ãČ email çČ FAXß^÷¯öĚõü ñ¯öĹóiìÅð´ã_çĴäĹû³ß^ï¸ã§ãeånãČè¦ýĻèøîĕāaâčþñ èī (Technical Problem Report Form)ß`

ĀðçĴêdùėïĄîá

ýā÷ijâáăġãĚW

a. ‰– ¸‹dJumper ‹0§_¥¿‰¡A ¤ ‹CCPU «‹,¡A‡ /´ø„q•‰P54C/MMX)¡ACPU W†v›¿ Wæ¡†C

b. ‰– ¸‹d„q•‰–‰u‹0§_– '† ƒ (CPU ›• ‹0§_¥¿–'„B)¡C

c. ¥D “0ƒ‡ L£¥¿–' u, †{¶‡]•‰›• ‹0§_¥¿†¡C

d. ‰–† £' ƒ‡¶›–¥d‡n' w”––‰µA¥u,¸W¯ª¥ ¥d¥H´†¡Cˆ D

e. ƒp‹ PCI ¯ª¥ ¥dA§ ·«¤ ¥PCI ·¡… '‹0¯ª¥ ¥d,¡C

f. 0 –¯Ø(SIMM/DIMM) ‹0§_ƒw,¸¥¿‰A§ ·« 0 –¯Ø·¡… '¤ ¥L 0¡C–¯Ø

g. ¸‹d w”––‰uPin 1 ƒV‹0§_¥¿‰C

äñýā÷ijß^äĻ"õī"ä ðĂâ]ëđó£ëïß^óiè©ô§âg**BIOS** ñzçµ:

a. ¸‹d` ‰L‹0§_– ˜†£A‰}–`·« Num Lock ` ‹d‹ LED ‹0§_¥¿–'´I†C

b. ¸‹dTurbo Switch ‹0§_˜ '(Release)¡A‰–¯ƒb¶} «e¤¥ Turbo Switch¡C (Pentium ¥HW ” w L Turbo ¥\ ¡A Turbo Switch ‡Q• ƒ¤Suspend Switch ¥¡C)

äęîĈ **Reboot**ß^ëéĀĎô»üĵ:

a. –NCMOS †M £¡ABIOS •|¯“¤œ„w‡]{(default)¡A–N¤t†‡]'wƒ¤‡ ˆ›'w“¡C”A

b. ¿ ·‘"¿ˆ„£¯ª¥ :" “” ¸‹dƒ¡¥J† ¡Cd

äñýā÷ijß^äĻóiè©ô»üĵ:

a. w”– L“k¶}¡A¸‹dBIOS “”‡]'w‹0§_‹LBA (‡q–‘e¶qj' 540MB) ƒ¡C

b. –NBIOS ‡]‹ „w‡]›(Setup Default)¡C

c. ‡n”–¶} ‹0§_¥¿¡Aƒp“G¥¿¬¡A¥i ‹0 w”––‰u' w”–¥G›¤›

óµøĎüĵóiè©îùòκäæãy **(HDD Controller Fail**ß^**can't detect HDD):**

a. ¸‹d w”–wMaster/Slaver ‡]'w‹0§_¥¿‰C

b. ¸‹d w”––‰u'§ ·«¤ ¥ƒ w”÷Ç ,

ñ¬øĎ/ õĄ÷é/ äìèīüĵâáãýï}çČóìè©â³å]:

a. ¸‹d‡n″ƒŒƒ¢¤ˆƒC–‰u‹O§_¥¿‰T

b. ¶}„q•‰ ‡n″—″ Y‹O§¡A§@·«¤ ¥ƒ‡n″— /•„«/ƒL“ , „¡C

ô»üĵìćÿĢûióiîĈå]çČ **BIOS** ăġãĚ **Keyboard Controller Error:**

a. ¸‹d` ‰LED ¿O(Numeric Lock) ‹O§_'œ• ¥¿†₵

b. ¸‹d¥D “O«O I(Fuse) ‹O§_¿N´(¤¥„q¿ ¸‹d‹O§_ µA«O I •ƒ ,m ƒb` ‰L·¡ƴ‡q–‘‹ ″æƒ …—¥ ‹ F1, 3A/125V)¡C

óiè©þ¶ä± **BIOS Setup** çČ÷¯äþæp÷¯ **(COMS data lost, Battery Low):**

a. ¸‹d„qƒ ‹O§_¤S(§₵' 2.5V)¡C

b. ¸‹dClear CMOS Jumper ‹O§_¥¿‰¡TC

Technical Problem Report Form		
ðáé¼ **Model Name:** åąö÷ **Serial Number:**		
ÿ®óöâe **Contact:**	**Name:** **TEL:** **Email:**	**FAX:**
îěāaò·ë¸ **Error Symptom:**		
æ²ðČðēø^ **(**ûĎöĒë¸ éêö÷âČèçãù**)** **System Configuration:** **(Please list model name and version.)**	**OS:** _____ **CPU:** _____ **HDD:** _____ **VGA:** _____ **Modem:** _____	**BIOS:** _____ **SIMM:** _____ **CDROM:** _____ **Sound:** _____ **Others:** _____

èļýĻ C Jumper ñzçµèī

ýĭüĚ CPU þtð´

ñ-ôlJãaüĵèlêlïÅãČójjumper ñzë®ß`îĝâ]èøjumper êl Clear CMOSß^ñ-ã§ãeãČçıåď îlïhûuèøïßè®ârß`

ñzçµ CPU þtð´èøâĦè©êl

BOIS Setup à **Chipset Features Setup** à **CPU Clock Frequency**
(ã§íĞèøñzçµëĆäñ 66, 68.5, 75, 83.3, 100, 103, 112 ùm 133.3 MHz)

BOIS Setup à **Chipset Features Setup** à **CPU Clock Ratio**
(ã§íĞèøñzçµëĆäñ 1.5x, 2x, 2.5x, 3x, 3.5x, 4x, 4.5x, 5x, 5.5x, 6x, 6.5x, 7x, 7.5x, ùm 8x)

INTEL Pentium II	**CPU** âøñßþtð´	ëýþtâį	ã¼þt
Pentium II - 233	233MHz =	3.5x	66MHz
Pentium II - 266	266MHz =	4x	66MHz
Pentium II - 300	300MHz =	4.5x	66MHz
Pentium II - 333	333MHz =	5x	66MHz
Pentium II - 350	350MHz=	3.5x	100MHz
Pentium II - 400	400MHz=	4x	100MHz
Pentium II - 450	450MHz=	4.5x	100MHz
Celeron 266	266MHz	4x	66MHz
Celeron 300	300MHz	4.5x	66MHz
Celeron 300A	300MHz	4.5x	66MHz
Celeron 333	333MHz	5x	66MHz

Ăóå§: INTEL 440BX ò÷âķðēñĆîèã§âĢòç 100MHz CPU ã¼ þtß^103ß_112 ùm 133.3MHz ôĆæďâøñßòкöēãČß`ñ-æąñzçµëĆ âµôtãu **BX** ò÷âķðēèøñtìĤß^ ã§íČõº÷ĭæ²ðČñ·äæõªì}ß`

Jumper ñzçµèī

ýĭüĚ CPU ÷¯þá

ãùãaüĵèlâÇòçPentium II VID ãýíĞß^ã§ãeäęîĈîùòĸ CPU ìĚâĝ÷¯þáß^æÇû¢ñİä 1.3V æĪ 3.5V âåôßß`

Clear CMOS

JP14	Clear CMOS
1-2	ãýï}üĜå] (÷µñz)
2-3	ð j îáCMOS

òáãĚ: ä®èdï¸èøæ²ðČäzêîôtþtädõīïúçČóièº©ô»üĵß^ã§ãeðjîá CMOSß^ăĻæ²ðČä{æĪ÷µñzèøèêø^ß`îáâcæčãČ JP14 âåã¼ß^ ï¸âz ã§ãeä ô»üĵìćéĴâr <**Home**> æđðjîá **CMOS**ß`

AGP Ratio

JP23	AGP Ratio
1-2	Auto (÷µñz)
3-4	2/3
5-6	1/1