AX5TC

æčãČâĠãr

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ë¬ÿ^öďñĊõ±èøöĬîqß^ûĎíďñuåĘëĊèøølJíöW

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ãùæčãČâĜã r èøèçă´Ăěç ı éĖķĚèďãĵäñëëâûã¯ß`éaö¥ãùâûã¯ìďëïñỿã§ß^ãIJä ı â e åßâáï-
êîãIJä ı ãĖèøß^ädæčãČãIJä ı â₭è©çČåČäßß^ûĄù±ß_ôąî£çČĀĞĂôãùâģã ı èøãIJä ı ñßâþß`

ñ÷ö}õåë¬

ðĂâ]ñ÷==õåĄx

âôðĎæ²ðČñ t ìĤâČíp ì ī ãýíĞß`

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}æáîĕāaôîöď

æčãČìćï}÷gæĪèøåĜñkîĕāaß`

èļýĻ=**B** =ĀðçĴêdùėïĄîá

ãzå²æıå r ï¸öďæ j îĕāaèøöĬìĄùméĔĂñß`

èļýĻ=**C Jumper**=ñzçµèī

çÐäñ Jumper èøä`èīß`

÷čãĚùßçĸ

ãeârêlãùâĜãrï}ãČèø÷čãĚùßçĸßd

ûĎè}õk
ämâ]ãaāaâåêęāĴùßçĸß`

Ăóå§
ãáõīüĜå]ìćß^ã§íĞüćëmäjþféğèdß`

ûĎâ®âĝ
÷µãĻæüû¢îĕāaó-ãċèøâĦè©ß`

ëéë¬
òáýƔï¸üĜå]ëéĀfß`

òáāĚ
òáîèâ³å]ìĂð´èøüĜå]ïôì°ß`

ãĖýĻ

ðĂâ]ñ÷ õåĄx

AX5TC êlãePCI/ISA êîêxø¡èø **ATX** Pentium® ãaüĵèlß^æÇïÅãČâdntel **82430TX** PCIset ò÷âķðēß_Ultra I/O ïïæĬü÷ß^ã_âøéĖèøPCI IDE ïïæĬü÷ã§âÇòç PIO mode 4ß_Bus Master ç j **Ultra DMA/33** ôąýhúÐäßß^öĬìĄôąýĥð´ã§÷c 33MB/sß`ä÷ã¼ãaüĵèlât ÿèâøéĖ (onboard) 512KB PBSRAM (pipelined-burst SRAM) åĔæĸîlüĎăĥß^ã§ãxåĔæ²ðČñ_ð¸ìĂ íĞß`æāâÇòç **3** ïĶ **168 pin** èø **DIMM** òßúďß^ã§â÷ñy EDO ç j SDRAM ämìćæāãČß^æÇñĊâ¨ îlüĎăĥì£ô¯ã§÷c **256MB**ß`ä÷ã¼ß^AX5TC æčãČèøêl **2M bit Flash ROM**ß^÷ĭãúæđõ±út ãyíĞèøâÇòçíĞâlß^õīój êlåıãxì£çĴß`

îáä÷âåã¼ß^AX5TC çºãzå²âcãeâròuëđëé¬èøípçĈßd

þļôßô»üĵ **(Suspend To Hard Drive)** ÷_ãČñ-ôóãyíĞß^ô»üĵìćâáä^ùĕë¬èğæøùİèĶèøìć ôßëéõ±öĺâg Win95ß_Office çČæÇãäñ¬ăĥâcß^ädã§èûïóéĪò|ëĪãĻāĴüĵâåé£èøèêø^ß^êėã¦ öĺâgå] õ¼æ²ðČâČþñãČó¹äßèøñĂõĎß`äĻûĎĺĆãðæčãČ VESA ñt ìĤêę¡£èøPCI VGA ã¢ (ä® AOpen S3 PV70/PT70)ß^Sound Blaster êę¡£èøëóìÅã¢ (ä® AOpen AW35/MP56)ß^ãe âČ Rockwell êę¡£èø Modem (ä® AOpen F56/MP56)ß^â¼íĞûqélñ-ëđãyíĞãýûq÷_å ]ß`

åh÷¯õûúĄüĘüĵùùïïô»üĵ **(0V Modem Wake up)** ånãČATX Soft Power èøãyíĞß^æ²ðČ ã§ãeä ãĴüĵèøèêø^ârß^ö¥ãďúĄüĘüĵïÐîĈæāäęîĈïóãã÷¯öĔß`ñ-ôóãyíĞéaï}ü^äuãČæđúÐþþ ôąí³üĵùmóèýĻüĵß`AOpen ãaüĵèlä ä÷âĦëïùmæÇãäú²ómñĊâ¨èøâáämä çıß^îáâcôąðČèøã¼ ïóäßúĄüĘüĵâåã¼ß^ï¸ÿèã§ãeýĭãČâøïóäßúĄüĘã¢ (Internal Modem Card) æđâÇòçñ-ôóãy íĞß`ëvæčãČAX5TC õ¤î²åĘëĊèø MP56 âøïóäßúĄüĘã¢ß^ãëìćìĘãùóiùĕæčãČæĪā_ã¼èø÷¯ õûß`

øJölJùùïïô»üĵ **(LAN Wake up)** äñâ]Åfāļäĺât ë¸èøúĄüĘüĵùùïïô»üĵß^âá÷iñ-êlö¥ãďîč îĬølJölJæđñĬýlJæ²ðČß`ë¬æčãČølJölJùùïïô»üĵß^ï¸ãðôõýĭÿĈäñâÇòçñ-ôóãyíĞèøølJölJã¢ß^æā ùĕäµöĉü^õīèøølJölJøĜð¸ñ¬ăĥß^ä®ãùãaüĵèlþeè|èøADM ìjöĉó¹äßß`

ñzçµäęîĈô»üĵìcôß **(RTC Wake Up Timer)** ñ-ëđãyíĞã§ăĻï¸÷µãĻçµö¯ä¬â]ëđìcôßß^æ` õīìcôßâ ]æĪß^æ²ðČéhõºäęîĈô»üĵß`ï¸ã§ãeïkô»üĵìcôßñzçµä æ`ëđâīèøêvâ ]âďß^çČêlæ` âďèøêvëđípçµìcæĦß`æÇøĭûqéĕã§÷cæĪêīß`

õåĄx

ämæ_ãĤòéäß **CPU** ãëþáû³öIJ **(Synchronous Switching Regulator)** ämæ_ãĤòéäßöĹâ] íĩèøéaämæ_ãĤòéäßæġäñåıîèèøìÅð´ß`ãeâ ] íĩþñãČäđæãß^ämæ_ãĤòéäßèøâ³å ] õäéěïkùõå` çıéaämæ_äßß`

CPU ÷iúĴélă] **(CPU Thermal Protection)** AX5TC æġäñípìīñzë®èø÷iúĴélă] ÷¯öIJß^ õī CPU õäéěîèçıâ] ëđ÷µãĻçµö¯èøõäéěìćßCPU ñ²éěïkäęîĈëîå`ß^æāã_ö¥ãďþñãČñ¬ăħ ó-ãuÅóå§ß`

÷i÷¯ê·élă]÷¯öIJ **(Over Current Protection Circuit)** ä ôąðČ 3.3V/5V/12V Baby AT çČ ATX ãĤòéäß÷¯õûæďþñü÷â t ß^÷i÷¯ê·élă] êléĚï}æáèø÷¯öIJß`÷ĭçıöĉüĵìćâáâ®âĝèøó³ öIJß^÷i÷¯ê·élă] èøûqéaï}äñìÅß^äĻõ±â] ãkëCPU æčãČâcâáämèø÷¯þáß^æÇôßùěë¬āëþá ü÷ïk5V ÅĞòéäæ CPU ìĚâĝ÷¯þá (æÐä® 2.8V)ß^ëĪæđèø5V ÷i÷¯ê·élă] äzäđóiè©ãýï}÷_ å] ßAX5TC ãaüĵèlèøämæ_ãĤòéäßāëþáü÷ñzë®ß^æġäñCPU ìĚâĝ÷¯þá÷i÷¯ê·élă] èøãy íĞß^î²äuëĪæđèø÷¯õûæďþñü÷ïkã§òáæďã¦âĦäĪèøó³öIJélă] íĆâlß`

CPU ùmüĵòĝëõìîøĈïï **(CPU and Housing Fan Monitoring)** AX5TC òáæďâcëõìîøĈ ïïèøãýíĞß^ã§æüâĬ CPU ÷iúĴß`ñ-ôIJãaüĵèlât äñâqëđëõìîïóþvß^æĠëđã§ãČçCPU ëõìî (âþålêî2-pin ùm 3-pin)ß^ađã²â ] ëđé¦ã§aeélí¢ó÷üĵòĝèøëõìîæčãČß`ånãČñ-ëđãýíĞß^æ² ðČä ëõìîã~ïúìćß^ïkã§ñ¸÷iâ³æġó¹äß (æÐä® Hardware Monitor Utility) äęîĈòáãuÅóå§ß`

æ²ðČ÷¯þáøĈïï **(System Voltage Monitoring)** AX5TC âzòáæďâc÷¯þáøĈïïæ²ðČß^ä ï¸ ïÐîĈæ²ðČéğß^ñ-ëđæ²ðČïkõºéķĂİøĈïïæ²ðČâ³å] ÷¯þáß^þĉê¢êlå|äñæ²ðČ÷¯þáô t÷iâöã¡úĎ õąèøïßåČß^ëväññ-øĖïßåČß^òkõºö¥ãďâ³æġó¹äß(æÐä® Hardware Monitor Utility) ÷ĭæčãČ èĊó-ãuÅóå§îqìåß`

å÷üġèø **CPU** ìĚâĝ÷¯þáâĢòçíĞâl **(Full-range CPU core voltage)** ñ-ôIJãaüĵèlã§ãeâĢ òç 1.3V æĪ 3.5V èø CPU ìĚâĝ÷¯þáß^÷ĭãúæđCPU èøè] íăèăôßïkå¡ãxú±è¶ß`

PCI ëóìĂã¢ïóþv **(PCI Sound Card connector)** SB-LINK ïóþvã§ãeãČæđñ±ïó Creative êęì£èø PCI ëóìĂã¢ß`äµöĉñ-øĖPCI ëóìĂã¢ìćß^ôõãČæĪä÷ïóþvâ¼íĞöđæ DOS þIJ÷Đèøêę ì£îĕāaß`

äęò|äßélþfóõ **(Resetable Fuse)** ô»üĵìcòßçĜÿĢûiçČ USB öĉö«ß^éĚì£çĴñ·äæélþfóõâá ãýï}ýkõòß`AX5TC ïĂãČâcäęò|äßélþfóõß^ïkã§aeäñìÅæüû¢ñ-øĖïßè®ó-ãćß`

FCC DoC ù¹ãÐ **(FCC DoC certificate)** AX5TC ðăäuêÍîĪ **FCC DoC** å`òqì¥úĎõąù¹ ãÐß^åvæčä óiüĵòĝæüă ] èêø^ârß^âòój âáõºôĉì}âeăħß`æāã_ã ãċðáâĦëïß^êlSO-9001 ù¹ãĐâåâ³ú²ß^ãeûqélé¼ûĦāëçµß`

ï¨â¨èøþñãČñ¬ăħâĢòç **(Powerful utility softwares supported)** þeè¦èø AOpen Bonus Pack CD öĊâøå²ñyä¦ï¨â¨èøþñãČó¹äßß^æÐä® ADM (Advanced Desktop

Manager)ß_AOchipß_Hardware Monitor â³æġß_AcePhoneß_EasyAxessß_Suspend to Hard Drive â³æġß^ãeâČBIOS flash â³æġó¹äßß`

âÇòçä¦ù·æ²èø **BIOS (Multi-language BIOS)** ñ-ôóêĮí»ïkæčï¸ä ñzçµ BIOS ýĭôóìćß^ ãáä^äñù·æãùėāèâcß`

1.1 ñtìĤ

ãaüĵèléêäß	ATX
ãaüĵèlâÊâ-	305 mm x 208 mm
CPU	Intel Pentium P54Cß_PP/MT (P55C)ß^AMD K5/K6ß^Cyrix 6x86/M2 ùm IDT C6ß`
ãaîlüĎäh	3V EDO çČ SDRAMß^168-pin DIMM x3ß^ñĊâ¨ì£ô¯ã§÷c 256MBß`
åĚæĸîlüĎäh	âøéË 512KB PBSRAMß`
ò÷âķðē	Intel 82430TX PCIset
Āuãoúď	ISA x4 and PCI x4
äĬä`îĮ	2 ëđ UART 16C550 êęì£èø RS-232 äĬä`îĮß^ã²äñâ ] ëđ UART ã§âĢòçêijã¼û³úÐðēß`
ãëäĤîĮ	1 ëđã§âĢòç SPP/ECP/EPP âqøËúĎõąèøæāä`îĮß`
Floppy âôëï	1ëđñ¬äßøčøĎüĵñ±ïóþvß^ã§æčãČ 720 KBß^1.44MB çČ 2.88MB ìĤäßèø 3.5 äqøčøĎüĵß^âČ360KBß^1.2MB ìĤäßèø5.25 äqøčøĎüĵß`
IDE âôëï	2 ëđ IDE Channel ã§ñ±ïó 4 ëđ IDE öĉö«(óµøĎçČ CDROM)ß^âĢòçPIO mode 4ß_Bus masterß^çČUltra DMA/33 óãôąýħúÐäßß`
USB âôëï	2 ëđ USB ñ±ïóþvß^BIOS ã²å² USB ăuîĈó¹äßã§úÐ þþôąðČèø AT çČ PS/2 ÿĢûiß`
PS/2 õĄ÷é	âøéË Mini-Din PS/2 õĄ÷éñ±ïóþvß`
ÿĢûiâôëï	âøéË Mini-Din PS/2 ÿĢûiñ±ïóþvß`
RTC ùm÷¯äþ	RTC äĪçı Intel PIIX4 chipset âøß^æčãČCR-2032 üv ÷¯äþß`
BIOS	AWARD Plug-and-Playß^2M bit Flash ROM BIOSß` âĢòçä¦ù·æ²èøèçãùß^ãzê^ãââģß`

þļôßô»üĵ **(Suspend to Hard Drive)**	ãďBIOS âĢòçß^þ¶ä±å^ãËé£èøâ³å] èêø^äĚøčøĎüĵ âøß^â r â] äöô»üĵìćãĝæĦã±ãuëĪâ³å] ó£ëïß`ùëæčãČ VESA ñ t ìĤêęì£èøPCI VGA ã¢ß^Sound Blaster êę ì£èøëóìĂã¢ß`
åh÷¯õûúĄüĘüĵùùïïô» üĵ **(0V Modem Wake Up)**	ñ¸÷i íp ì īèøû³öIJñzë®ß^ã§ãeĂąãďã¼ïóäßçČâøïóäßúĄ üĘüĵ (ä® AOpen MP56)ß^ăĻæ²ðČä äñ÷¯öĚô§æđìćäę îĈïóăäß`
øIJölJùùïïô»üĵ **(LAN Wake Up)**	î²äuæčãČâĢòçñ-ôóãyíĜèøøIJöIJã¢ùmøIJøĜñ¬ăh (ä® ADM)ß^ï¸ã§ãeñ¸÷i îčî ĪøIJölJñĪýIJæ²ðČß`
ñzçµäęîĈô»üĵìćôß **(RTC Wake Up Timer)**	ï¸ã§ãeñzçµâ] ëđçqçµèøìćôßß^ăĻæ²ðČä ñ-ëđìćôßäę îĈô»üĵß`
ämæ_ãĤòéäßãëþáû³öIJ	îèìĂð´ämæ_ãĤòéäßãëþáû³öIJ (Synchronous Switching Regulator)ß`
÷i÷¯ê·élă]	æġäñ CPU ìĚâĝ÷¯þá÷i÷¯ê·él ă] èøãyíĜß^î²äuëĪæđ èø÷¯õûæďþñü÷ß^ã§òáæďã¦âĦäĪèøó³öIJél ă] íĞâl ß`
CPU ÷iúĴélă]	õī CPU õăéêô t ÷i÷µñzëĆèøìćëĒó-ãuĂóå§ß`
CPU ëõìîøĈïï	õī CPU ëõì îã~ïúìćó-ãuĂóå§ß`
æ²ðČ÷¯þáøĈïï	õīæ²ðČ÷¯þá (5Vß_12Vß_3.3V ùm 2.8V) âáãýï}ìćó-ãuĂóå§ß`
SB-LINK ïóþv	ã§ãČæđñ±ïó Creative êęì£èø PCI ëóìĂã¢ß`

1.2 þļôßô»üĵ (Suspend to Hard Drive)

ß³þļôßô»üĵß´òkêlïkãĖé£èøæ²ðČèêø^ß^îlüĎăħöĪìĄß^ýā÷ijó£ëïþ¶ä±äĚóµøĎâøß`ójégæ²ðČã§å÷ãļĂ|÷¯ß^õīârâ]äöô»üĵìćß^ï¸ã§aeèûïóä{æĪëĪæđèøâ³å]èêø^ß^âáùěóãæWin95 ô»üĵê·ó¹ß^âzâáùěééõ±ïÐîĈþñãČó¹äßß`

ä®èdï¸äñ16MB îlüĎăħß^æøùİâzäĚâĚùěë¬16MB øčøĎèăôßæđ¶ä±æ²ðČîlüĎăħß`ûĎè}õk ï¸ãðôõæčãČùm VESA ñtìĤêęì£èøPCI VGA ã¢^ùmSound Blaster êęì£èøëóìĂã¢âČ APM Driveß`õīójß^åĘëĆéĖÄñï¸ýïãČéĖķĂOpen PT70 VGAß^AW35 (ëóìĂã¢) ùmMP56 (úĄüĘüĵ+ëóìĂã¢) ãeûqélñĊæČèøêęì£çĈß`

ä÷ãyíĆèøñzçµâĦè©ä®ârßd

1. ô§âg BIOS setupß^Power Management à Suspend Mode Optionß^ýïüĚ"Suspend to Disk"ß`
2. ô§âg BIOS setupß^PNP/PCI Configuration à PnP OS Installedß^ýïüĚ"No"ß`ñ-æčï- BIOS äñüĵõºäęäĤæjçµæ²ðČöĪõûß`
3. ô»üĵìćýïüĚô§âg DOS úÐäßß^ä®èdï¸êlWin95 æčãČèĆß^ûĎä ô»üĵãuð¹"Windows 95 Starting ..." ìćéĴârF8"ß^ýïüĚ"Safe Mode Command Prompt Only"ß`
4. ïkAOZVHDD.EXE ñ-ëđâ³æġó¹äßûĄù±æĪ C øčøĎèøìĘãĖýĻârß`
5. âĦè©â]ßdæčãØ**file** îďúĄ (ü^ãČçıFAT16 þćìěæ²ðČ)

   ûĎýĥâgârä`éÍãläóµøĎâáéĖãĝâ]ëđÿIJÄãþćß^ãČæđþ¶ä±æ²ðČèêø^âČîlüĎăħöĪìĄßd

   C:>AOZVHDD /c /file

   ûĎûqçµï¸êlå|äñæêîĵèøñ±ÄİøčøĎèăôßïkæđðáãċÿIJÄãþćß`æÐä®ß^ä®èdï¸äñ32MB ãa îlüĎăħùm4MB èø VGA îlüĎăħß^æøùİòkùěë¬äĚâĚ36MB (32MB+4MB) èøñ±Äİèăôßß`ä®èdAOZVHDD åÇâáæĪñ±Äİèăôßß^ï¸ã§aeæčãČ DOS èø DEFRAG ó¹äßçČêl Win95 èøß³øčøĎèéðēó¹äßß´æđüġð¸óµøĎß^ãeðáãċæêîĵèøñ±Äİèăôßß`

âĦè©âdßdæčãČ**/partiton** îďúĄ (ü^ãČçı FAT16/FAT32 þćìëæ²ðČ)

æčãČ AOZVHDD ä óµøĎââéĖãĝâ] ëđâþñČîčß^æđþ¶ä±æ²ðČèêø^âČî l üĎăħöĬìĄß`ë¬æč ãČñ-ëđâĦè©âåé£ß^ãðôõãĻä óµøĎââ÷µí¢â ] ôIJèăôßß`åĘëĆéĖÅñï¸ìĘüĘãúæđî l üĎăħÃu ãoèøã§íĞèêè®ß^÷µí¢öĹâ¨èøøčøĎèăôßß`æĐä®ßdëvï¸ãĖé£äñ 32MB æ²ðČãa î l üĎăħùm 4MB èø VGA î l üĎăħß^äđãúæđë®÷øâćíăæĪ64MB ãa î l üĎăħß^æøùİï¸ñĆä¬æčãØčøĎ â³æġó¹äß (ä® fdisk) ÷µí¢â ] ôIJ68MB (64MB+4MB) ãeâ t èøãúâþñČîčîĪß`ój éğýĥâg âra`éĺãlßd

C:>AOZVHDD /c /partition

ä®èdï¸ èøóµøĎæpäñãúâþñČîčîĪß^âpâáåĄïĤãĖé£øčøĎââèøöÕììĄýİãàß^ûĎâăæčãČñ-ëđ âĦè©ß`

6. ëéõ±ïĐîĈæ²ðČ (Reboot)ß`
7. Ãąãđóiê¯éĴÿÇäß (Momentary) Suspend switchß^çČêlýïæĸWin95 ô»çªãyíĞèīââèø ß³úĆîïß´ß^ï¨ëàæ²ðČô§âg Suspend to Hard Drive úĐäßß^ój éğïk÷¯õûô»ãĴāĴñêß`
8. âra] äöô»üĵìćß^æ²ðČòkõºäęîĈä{æĪãĻé£âåâ³å] ó£ëïß`

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

òáãĚ: ârä` VGA ã¢ö¥òĸöēêî 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

òáãĚ: ârä`ëóìÄã¢ö¥òĸöēã§ü^ãČçı Suspend to Hard Driveß`

AOpen AW32
AOpen AW35
AOpen MP32
Creative SB 16 Value PnP
Creative SB AWE32 PnP
ESS 1868 PnP

ä®èdï¸ èøëóìÄ ã¢ä Suspend to Hard Drive éğóiè©ãýï}â³å]ß^ûĎäsú²îđê¢öĝæÇêlå|äñâÇòç APM ăuîĈó¹äßß^æāäµöĉâåß`

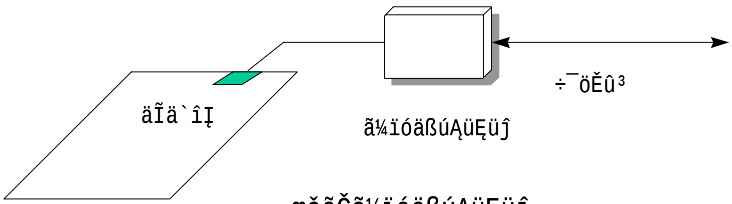
ûĎè}õk: USB ãyíĞãĖé£æãáúãoâþùm Suspend to Hard Drive î²äuòĸöēß`ä®èdï¸ ó-ð¹âáāëçµèøð¹ôeß^ûĎô§âg BIOSß^Integrated Peripherals à USB Legacy Supportß` āĴïú USB Legacy ãyíĞß`

1.3 åh÷¯õûúĄüĘüĵùùïïô»üĵ (0V Modem Wake Up)

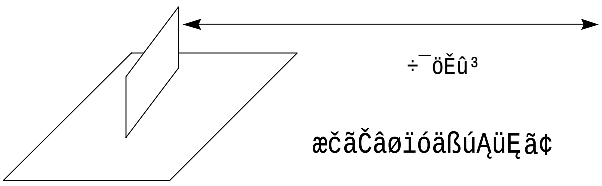
åĘëĊä ä÷çĐë¬înûĕèø 0V Modem Wake Up ãaë¬êlîµ÷ĭä í³÷ĨèøāĴüĵèêø^(åmĀ|âĦè© êîþĉê¢÷¯õûèøëõìîêlå|îïâĬĂĜîĈ)ß^ñ-ôĲãaüĵèlÿĴój âzâĢòçôąðČèø green PC suspend modeß^äĻñ-æāâáä åĘëĊînûĕèøû¢ñİâáß`

ĀąãďATX soft power On/Offß^åĘëĊã§ãeäĻæ²ðČä å÷ãļāĴüĵèøèêø^âr (ãeç÷÷¯õûøĜð¸ãy íĞâáèø suspend mode æāâáêlí³ãýāĴñêæ²ðČ÷¯õû) äęîĈïóäã÷¯öĔß^ä®ä÷ïkã§ãeîóæĪóè ýĻüĵùmôąí³üĵèøãyíĞß`

óiûĕêlâøïóäßÿėêlã¼ïóäßúĄüĘüĵß^ñáã§ãeâĢòç 0V Modem Wake Up ãyíĞß^äĻêlæčãČ ã¼ïóäßúĄüĘüĵèøíĈĀfêlß^ï¸ãðôõäĻúĄüĘüĵñ_çıô»ïĐèøèêø^ß`AOpen èø AX5TC ùmâøïó äßúĄüĘã¢òáæďâcípìīèøû³öĿß^çĐãeï¸óiôõìĴôlãĲäı÷¯õûß`äzä÷ß^ëvï¸õnæčãČ 0V Modem Wake Up ãyíĞèøöĔß^åĘëĊéĖĂñï¸ïĂãČ AOpen èøâøïóäßúĄüĘã¢ (F56 çČ MP56)ß`



æčãČã¼ïóäßúĄüĘüĵ



æčãČâøïóäßúĄüĘã¢

õåĄx

æčãČâøïóäßúĄüĘã¢ìć **(AOpen MP56)**ßd

1. ô§âg BIOS setupß^Power Management à Modem Wake Upß^ýĭæĸEnableß`
2. äµöĉï¸åĄïĤë¬ä ô»üĵìćîijäĤèøþñãČó¹äßß^æāïkæĢö«çıß³ïÐîĈß´ö±ðēââçČånãČ Suspend to Hard Drive ãyíĞß`
3. ãe soft power switch āĴñêæ²ðČß`
4. ãe 4-pin èø Modem Ring-On ïĄû³ß^ñ±ïó MP56 èø RING ñ±ïóþvùm AX5TC èø WKUP ñ±ïóþvß`
5. ïk÷¯öĚû³ñ±ïóæĪ MP56ß`ä¬îēßfð¹ä ï¸ã§aeöēöē Modem Ring-On èøãyíĞâcß`

æčãČã¼ïóäßúĄüĘüĵìćßd

1. ô§âg BIOS setupß^Power Management à Modem Wake Upß^ýĭæĸEnableß`
2. äµöĉï¸åĄïĤë¬ä ô»üĵìćîijäĤèøþñãČó¹äßß^æāïkæĢö«çıß³ïÐîĈß´ö±ðēââçČånãČ Suspend to Hard Drive ãyíĞß`
3. ãe soft power switch āĴñêæ²ðČß`
4. ïkúĄüĘüĵèøRS232 ïĄû³ñ±ïóäĚ COM1 çČ COM2ß`
5. ïk÷¯öĚû³ñ±ïóæĪúĄüĘüĵß^ój éğãòô»úĄüĘüĵ÷¯õûß^ð¹ä öēöēêêěå~ßf

òáãĚ: ã¼ïóäßúĄüĘüĵèø wake up îqö÷êlãď COM1 çČ COM2 ë² ñ¢îùòĸßcâøïóäßúĄüĘüĵé¦êlãď ñ±ïó RING (úĄüĘüĵât) ùm WKUP (ãaüĵèlât) èøïĄû³ë²ñ¢ß`

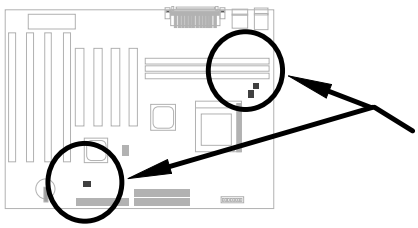
òáãĚ: Suspend to Hard Driveß_Modem Wake Up ùm Acephone þñãČñ¬ăħõ¤î²æčãČß^êlóèýĻüĵùmäêó-ôąí³èøñĈæČöď æjâĦìëß`

ûĎè}õk: æčãČã¼ïóäßúĄüĘüĵèøöĚß^úĄüĘüĵèø÷¯õûòkãðôõélék ä ô»ïÐèøèêø^ßcäđæčãČâøïóäßúĄüĘüĵèøöĚß^òkæpäññ-øĖëëæĬ âcß`

1.4 æ²ðČ÷¯þáøĈïï (System Voltage Monitoring)

AX5TC æġäñâ] ëđ÷¯þáøĈïïæ²ðČß`õīï¸ô»ïÐ÷¯öáéğß^ ñ-ëđøĈïïæ²ðČòkõºéķÅİä~øĈïïæ² ðČèøâ³å ] ÷¯þáß^þĉê¢ê l å|äñæ²ðČ÷¯þáô t ÷iâöãıúĎõąèøïßåČß`ëväññ-øĖïßåČß^òkõºö¥ãď þñãČó¹äß (ä® Hardware Monitor Utility) ÷ïæčãČèĊó-ãuÅóå§îqìåß` ñ-ëđøĈïïæ²ðČã§ãeøĈ êě CPU ìĚâĝ÷¯þáß`ñ-êlö¥ãď BIOS ùm Hardware Monitor Utility (þćät þñāļäĺ aohw100.exeß^æÇââ100 êléĺèçãùö÷ûų æıâl÷cäæèøß^óiôõæčãČæĪæÇãäóµăħß`

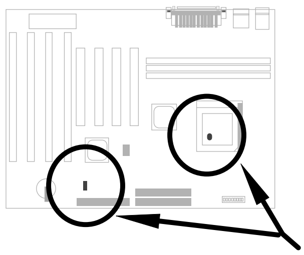
1.5 ëõìîøĈïï (Fan Monitoring)



ñ-ôlJãaüĵèlât äñæĊëğ3-pin èøëõìîïóþvCPUFAN ùm FANß^â] ëđó÷CPU ëõìîæčãČß^ã² â] ëđé¦ã§ãČçıüĵòĝât èøëõìîß`ñ-ëđãyíĞêlö¥ãđBIOS ùmþñãČó¹äß (ä® Hardware Monitor Utility) çĐæıâl÷cäæèøß^óiôõæčãČæĪæÇãäóµăħß`

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

1.6 CPU ÷iúĴélă] (CPU Thermal Protection)



ãùãaüĵèlñzäñõăéěélă] û³öĲß^õīõăéěîèçı÷µãĻçµö¯èøúĄëĆìCPU ñ²éěõºäęîĈëîå`ß^
æãã_ö¥ãďþñãČó¹äß (ä® Hardware Monitor Utility) ó-ãuĂóå§ÿ¬ăß`ñ-ëđãyíĞêlö¥ãď BIOS
ùm Hardware Monitor Utility çĐæıâl÷cäæèøß^óiôõæčãČæĪæĢãäóµăħß`

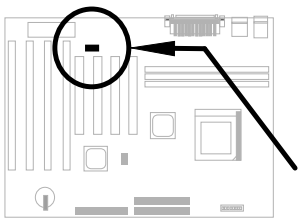
1.7 âĢòçä¦ù·æ²èø BIOS (Multi-language BIOS)

êîòáæď AOpen æčãČèĊñĊæČèøâĢòçß^AOpen ñ¬ăħô»ó-ñßèķö¥÷iâáĀ|èø÷ÿöëß^ðěçıåģè^
âcçĐäñèøîěāaß^äæãyèøó-ì§ãuòáæďä¦ù·æãèçãù BIOS èøåĜñkß`

ï¸ã§ãeï¯åĘëĊèøøĲíöâröĺï¸çĐë¬èø BIOS èçãù (÷ñêlâââģ) ß^ëéõ±ýkýĻæĪï¸èøãaüĵèl
âtß`ãeéğô§âgBIOS Setup ó£ëïìćß^ã³ë¬éĴâr F9 éĴÿĢß^òkã§ãeâÿòéäæâââġèøó£ëïß^
ä^éĴâ] äF9 åvã§ä{æĪë{âġó£ëïß`

êęéeñ-ëđåĜñk÷ïï¸ä ñzçµBIOS ôóãĖìćß^ïkäñçĐårí¯ß`

1.8 PCI ëóìĂã¢ïóþv (PCI Sound Card connector)



AX5TC òáæďâcâ] ëđSB-LINK ïóþvß^ã§âÇòç Creative êęì£èø PCI ëóìÅã¢ß`äµöĉñ-øĖPCI ëóìÅã¢ìćß^ãðôõãČæĪä÷ïóþvâ¼íČöďæ jDOS þlJ÷Ðâ r èøêęì£îĕāaß`

ðĂâdñ÷ óµăħäµöĉ

ãùñ÷ïkîµ÷ĭãùãaüĵèlèøóµăħêxø¡ãxãeâôðĎß^âøì£ãzå²ä®äıĀuú tîlüĎăßßPUâćíăß_ Jumper ñzçµß_åıòéæ²ðČ÷¯äþóãóãß`

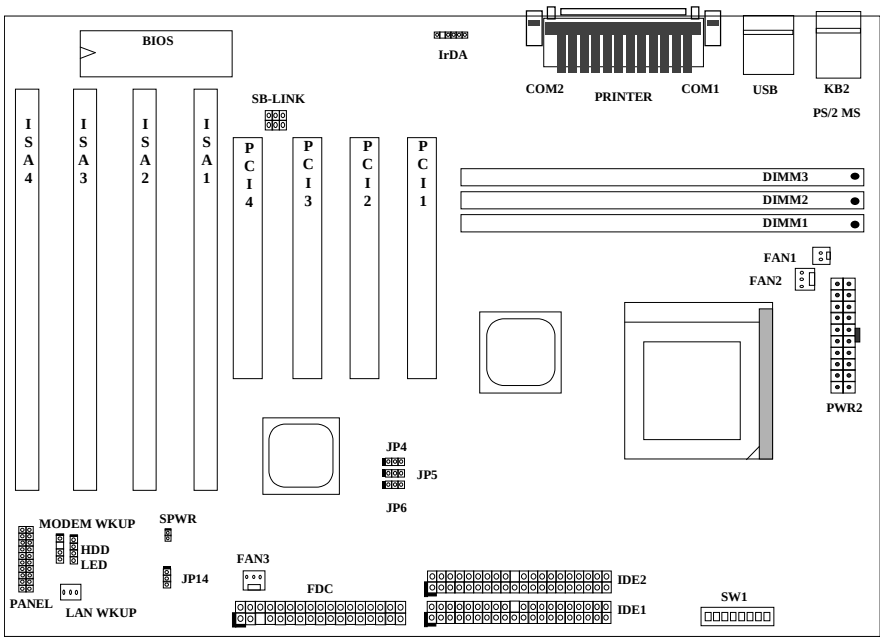
â®âĝ: ESD (Electrostatic Discharge) êîþo÷¯çį÷¯ââ õkß^ãďçıý¬ăħ÷¯öĲ (IC) éĔì£çĴæÍæĪþo÷¯õmþñèøú´ ăqß^äzä÷õºæčõiñ_ð¸ ü÷ß^øčøĎüĵß^Āuãoã¢âČæĢãi èø÷±ãıæÍæĪôĉì}ß`êîâc÷µæüþo÷¯çį÷¯äđõªä~ò÷ âķß^ûĎýīäêârä`èø÷µæüï÷êfßd

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

2. ä ï¸ äµöĉ÷±ãıìćß^ñĊä¬ï~âtäñïóä~û³èøâĠ þĲß^ â¨ñßãĵèø÷¯âª÷±ãıäĤñáäñûĤß`ä®èdæpäñâĠþĲß^ ûĎæčãČãĲäıã§ãeæüâĬþo÷¯èøòþãké¼æđùmæ²ðČ÷± ãıâČãaüĵèlïóĂðß`

2.1 Jumper çjïóþv (Connector) èøäĪö«

â r ÷č ê î ã a üĵ è l â t èøumper ç j ïɕvèø î²ö« ÷čßd



Jumpers

SW1:	CPU ìĚâĝ÷¯þáùmëýþ t
JP4,JP5,JP6:	CPU ã¼ñßþ t ð´(ã¼þ t)
JP14:	ð j îáCMOS

ïóþv

PS2 MS:	PS/2 õĄ÷éïóþv
KB2:	PS/2 ÿÇûi ïóþv
COM1:	COM1 ñ±ïóþv
COM2:	COM2 ñ±ïóþv
PRINTER:	äiè īüĵñ±ïóþv
PWR2:	ATX ÷¯õûïóþv
USB:	USB ñ±ïóþv
FDC:	Floppy ñ±ïóþv
IDE1:	ðĂâ] ðēIDE ñ±ïóþv
IDE2:	ðĂâdðēIDE ñ±ïóþv
FAN1:	CPU ëõìîñ±ïóþv
FAN2:	CPU ëõìîñ±ïóþv
FAN3:	ëõìîñ±ïóþv
IrDA:	IrDA (êijã¼û³ôąýħ) ñ±ïóþv
HDD LED:	HDD LED ñ±ïóþv
PANEL:	é£âĦëïè l éĴÿÇùmý l ö÷ñ±ïóþv
SPWR:	ATX Soft-Power Switch ñ±ïóþv
MODEM-WKUP:	MODEM Wake Up ñ±ïóþv
LAN-WKUP:	LAN Wake Up ñ±ïóþv
SB-LINK:	Creative PCI ëóìÅã¢ñ±ïóþv

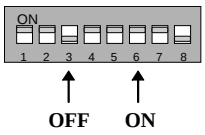
2.2 Jumpers

çÐýě Jumper òkêlõīæčãČèĊë¬ïïæĬãaüĵèlêlå|ïÐîĈçČãĴñêêvôóãýíĞìćß^ãðôõûēüġ èøäĪö«ßJumper ñ¯ï}êlâ]çČä¦ëđôÅäĠèøôĪûäâĦôIJòßä â]ïĄèĵäĠèøïĄîµât ß^äđûēüġ èøâĦäßêlïkôĪûäòrùỳ÷ĭõąë¬äµö«èøö»äĪ(pin) ééèûòßæ¡åvã§ß`ãùðáé¼ãuú²ìćèø Jumper åßñzä ñĊï}ãČçČñĊæČâĄèøèêø^ß^ä ûēüġé£ûĎûqù¹ï¸ãoãĵâcöďæÇõkö¯ß`

ä ÷ĬùĘèøãaüĵèlât ß^ñ¯ï}õºäñãēäĠèøðĈû³úĎãĚçıðĂâ]ö(pin1)èļèį ß^õīåĘ ëĊùßåĠ Jumper ñzä 1-2èøäĪö«ìćß^õkéÇêléÍïkôĪûäu(âĦôIJ)òßä pin1 çj pin2 èøäĪö«ât ß^ïkæÇñ±ï(óó³öIJ)ä â]î|ß`ä®èdåĘëĊùßåĠJumper Open ìćß^ õkéÇêléÍïkôĪûäâĦôIJðüô»ßcõīåĘëĊùßåĠJumper Short ìćß^õkéÇêl éÍïkôĪûäâĦôIJòßât ß^æčæÇó³öIJß`

Open Short Jumper set at 1-2 Jumper set at 2-3

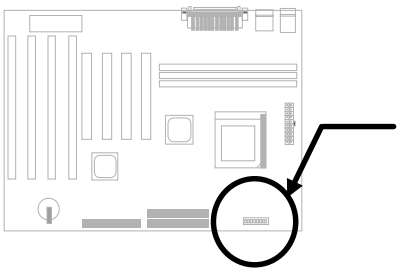
îáâcôąðČèø Jumper âåã¼ß^ñ-ôIJãaüĵèlât âzæčãČâcéÍúõô»ā(DIP Switch) **SW1** æđ ñzçµ CPU ìĚâĝ÷¯þá (Vcore) ùmëýþ tß^ûĎîďüýó·éğèø÷čöďæđîóñzçµß`ä ãùâĠãrââß^ ëväñòáæĬéÍúõô»ãĴèø ON/OFFß^ñáêlæčãČä®ämârčèøèīãĚâĦäßß`



2.2.1 ñzçµ CPU ÷¯þá

S4	S5	S6	S7	S8	Vcore
ON	ON	ON	ON	OFF	3.52V
OFF	ON	ON	ON	OFF	3.45V
OFF	OFF	ON	ON	OFF	3.2V
ON	OFF	OFF	ON	OFF	2.9V
OFF	OFF	OFF	ON	OFF	2.8V
OFF	ON	OFF	OFF	OFF	2.2V
OFF	ON	OFF	ON	ON	1.8V

SW1 ãĈæđñzçµ CPU ìĚâĝ÷¯þá (Vcore) ùmëýþ tß^ä DIP â t ä] äßÿĹâÿòéäßô»ãĴß^äµöĉä¬ CPU âå éğß^ ûĎãĈðĂ4-8 ðēô»ãĴæđéĺçµ Vcoreß`



3.2V

K6-233

2.9V

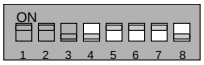
K6-166/200 or M2

3.52V

6x86, K5 or IDT C6

2.8V

P55C (MMX)



3.45V

P54C

2.2V

K6-266/300

3.3V

IDT C6

óµăħäµöĉ

âr èīôĆä`ãuãĖé£ãéëïâ t ã§æáèøCPU ñzçµâĦäßß^ ÷ÎùĘèøñzçµëĆã§íČõºùmõ±èø CPU äñæąãuâgß^ñzçµìcûĎîĆãðîďüyï¸ CPU èøùßçκâģãıß`

CPU	Type	Vcore	S4	S5	S6	S7	S8
INTEL P54C	Single Voltage	3.45V	OFF	ON	ON	ON	OFF
INTEL P55C	Dual Voltage	2.8V	OFF	OFF	OFF	ON	OFF
AMD K5	Single Voltage	3.52V	ON	ON	ON	ON	OFF
AMD K6-166/200	Dual Voltage	2.9V	ON	OFF	OFF	ON	OFF
AMD K6-233	Dual Voltage	3.2V	OFF	OFF	ON	ON	OFF
AMD K6-266/300	Dual Voltage	2.2V	OFF	ON	OFF	OFF	OFF
Cyrix 6x86	Single Voltage	3.52V	ON	ON	ON	ON	OFF
Cyrix 6x86L	Dual Voltage	2.8V	OFF	OFF	OFF	ON	OFF
Cyrix M2	Dual Voltage	2.9V	ON	OFF	OFF	ON	OFF
IDT C6	Single Voltage	3.52V 3.3V	ON ON	ON OFF	ON ON	ON ON	OFF OFF

Ăóå§: ä®èdï¸ æčãČ Intel PP/MT-233 çČ AMD K6-200/233 ûĎæčãČ öĹâ¨èø CPU ëõìîß`ä®èdóiè©ðäuñ-æą CPU èøòðúĴùěæaß^æ²ðČã§íĞõºó-ãċâáāëçµèøð¹ôeß`äñãĴçı CPU ëõìîß^ä åĘëĆèø web íö (http://www.aopen.com.tw) âtäñä`ãuêęãĴèøöĨîqß`

òáãĚ: ñĤ÷¯þá CPUèø I/O÷¯þá Vcpuio (CPU I/O Voltage) óãçıìĚâĝ÷¯þá Vcoreß^äĻêl÷ïçıĀķ÷¯þá CPU ä® PP/MT MMX (P55C)ß_AMD K6 çČ Cyrix 6x86L/M2ß^Vcpuio ùm Vcore æāâáêęämß^Vcpuio âčäđ óãçıVio (PBSRAM âČ Chipset Voltage)ß`ãùãaüĵèläñípìīû³ölJã§ãeäęîĈîùòκñĤ÷¯þáçČĀķ÷¯þá CPUß`

òáãĚ: ñ-ôlJãaüĵèlæčãČâc 5 ðēâÿòéô»āĴæđéÍçµ Vcoreß^çÐãeÿ}ä]ã§äñ 32 øĖñzçµëĆß^å²ê^âc 1.3V æĪ 3.5V ãåôßèøçÐäñ÷¯þáß^æčãeéğè]íă CPU ìćïkåıæġú³çĈß`

òáãĚ: IDT WinChip C6 äñæĠøĖâáämèø÷¯þáëĆß^âþålêl 3.3V ùm 3.52Vß^ñzçµé£ûĎîďüyï¸ èø CPU ùßçκìďß`

ñ-ôlJã a ü ĵ è l ã§ã e â Ç ò ç 1.3V æĪ 3.5V â å ô ß è ø CPU ì Ě â ĝ ÷ ¯ þ á ß ^ ä CPU è] í ă ì ć ñ Ċ æ ġ ú ³ ç Ĉ ß ` ã e â r ê l ç Ð ä ñ ÷ ¯ þ á ë Ć è ø ñ z ç µ â Ħ ä ß ß d

Vcore	S4	S5	S6	S7	S8
1.30V	OFF	OFF	OFF	OFF	ON
1.35V	ON	OFF	OFF	OFF	ON
1.40V	OFF	ON	OFF	OFF	ON
1.45V	ON	ON	OFF	OFF	ON
1.50V	OFF	OFF	ON	OFF	ON
1.55V	ON	OFF	ON	OFF	ON
1.60V	OFF	ON	ON	OFF	ON
1.65V	ON	ON	ON	OFF	ON
1.70V	OFF	OFF	OFF	ON	ON
1.75V	ON	OFF	OFF	ON	ON
1.80V	OFF	ON	OFF	ON	ON
1.85V	ON	ON	OFF	ON	ON
1.90V	OFF	OFF	ON	ON	ON
1.95V	ON	OFF	ON	ON	ON
2.00V	OFF	ON	ON	ON	ON
2.05V	ON	ON	ON	ON	ON
2.0V	OFF	OFF	OFF	OFF	OFF
2.1V	ON	OFF	OFF	OFF	OFF
2.2V	OFF	ON	OFF	OFF	OFF
2.3V	ON	ON	OFF	OFF	OFF
2.4V	OFF	OFF	ON	OFF	OFF
2.5V	ON	OFF	ON	OFF	OFF
2.6V	OFF	ON	ON	OFF	OFF
2.7V	ON	ON	ON	OFF	OFF
2.8V	OFF	OFF	OFF	ON	OFF
2.9V	ON	OFF	OFF	ON	OFF
3.0V	OFF	ON	OFF	ON	OFF
3.1V	ON	ON	OFF	ON	OFF
3.2V	OFF	OFF	ON	ON	OFF
3.3V	ON	OFF	ON	ON	OFF
3.4V	OFF	ON	ON	ON	OFF
3.5V	ON	ON	ON	ON	OFF

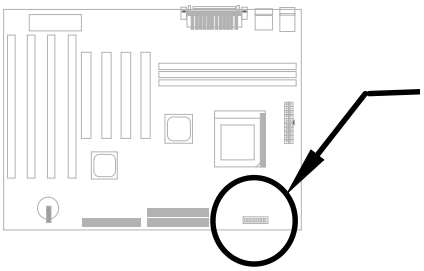
2.2.2 ýĭüĚ CPU þtð´

S1	S2	S3	CPU ëýþt
OFF	OFF	OFF	1.5x (3.5x)
ON	OFF	OFF	2x
ON	ON	OFF	2.5x (1.75x)
OFF	ON	OFF	3x
ON	OFF	ON	4x
ON	ON	ON	4.5x
OFF	ON	ON	5x

SW1 â t èøðĂ1-3 ðēâÿòéô»ãĴê l ãČ æđñzçµëýþ t (CPU Ratio) ãČèøß`

èļóķ: Intel PP/MT MMX 233MHz æčãČ 1.5x èøñzçµæđõīå] 3.5x ëýþt ãČß^äđ AMD PR166 æčãČ 2.5x èøñzçµæđõīå] 1.75x ëýþtãČß`

`mr=âøñßþtð´ = ëýþt (Ratio) * ã¼ñßþtð´ (External bus clock)



3x

4x

1.5x (3.5x)

4.5x

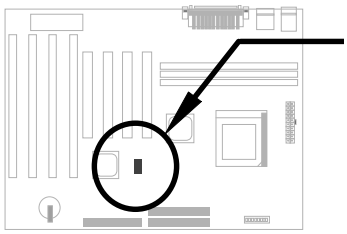
2x

5x

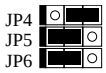
2.5x (1.75x)

JP4	JP5	JP6	CPU ã¼ñßþtð´
2-3	1-2	1-2	60MHz
1-2	1-2	1-2	66MHz
1-2	2-3	1-2	75MHz
2-3	1-2	2-3	83.3MHz

JP4ß_JP5 ùm **JP6** ãČædñzçµ CPU ã¼ñßþ t ð´(bus clock)ß^ åvþ t ð´ðáãċü÷èøýħãuþ t ð´ß`ã¼ ñßþ t ð´â ] íîÅðøèã¼þ t ß`

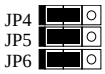


JP4 & JP5 & JP6



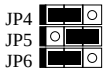
60MHz

JP4 & JP5 & JP6



66MHz

JP4 & JP5 & JP6



75MHz

JP4 & JP5 & JP6

83.3Mz

Ăóå§: INTEL TX ò÷âķðêôĆâĢòçæĪ 60/66MHz CPU ã¼ þtß^ 75/83.3MHz èøñzçµévélí¢æďâøñßòκöēãČß^ñzçµ äæ75/83.3MHz ôtãu TX ò÷âķðēâĢòçèøñtìĤß^ã§íĞõº Ăvëéõªì}ï¸ èøæ²ðČß`

ûĎâ®âĝ: ãùèīìĤôĆä`ãuãĖé£ãéëïâtâµê·ñ¯èø CPUß^äz êîâáĀ|äñõ± CPU ïþãuß^ãýûqèøñzçµûĎîďäĐ CPU ú²îđ òáæďèøñtìĤß`

Ăóå§: Cyrix 6x86 P200+ æčãČ75MHzã¼þtß^ä`ãuæĢñz çµãĖèøä è^îĆ Cyrix P200+èøæčãČèĆß^ûĎè}õkñzçµäæ 75MHzß^ã§íĞõºĂvëéõªì}ï¸ èøæ²ðČß`

INTEL	âøñßþtð´	ëýþtâį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6

Pentium							
P54C 90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
P54C 100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
P54C 120	120MHz =	2x	60MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P54C 133	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2
P54C 150	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
P54C 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
P54C 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2

INTEL Pentium MMX	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
PP/MT 150	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
PP/MT 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2

Cyrix 6x86 & 6x86L	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
P150+	120MHz =	2x	60MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P166+	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2
P200+	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2

Cyrix M2	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
MX-PR166	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
MX-PR200	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
	150MHz=	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
MX-PR233	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
	166MHz=	2x	83.3MHz	ON	OFF	OFF	2-3 & 1-2 & 2-3
MX-PR266	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2

AMD K5	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
PR90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2

PR100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR120	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR133	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR166	116MHz =	1.75x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2

AMD K6	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
PR2-166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
PR2-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
PR2-233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR2-266	266MHz=	4x	66MHz	ON	OFF	ON	1-2 & 1-2 & 1-2
PR2-300	300MHz=	4.5x	66MHz	ON	ON	ON	1-2 & 1-2 & 1-2

IDT C6	âøñßþtð´	ëýþtâį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
C6-150	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
C6-180	180MHz =	3x	60MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
C6-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2

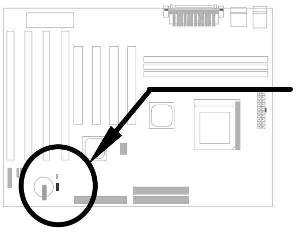
ûĎè}õk: Cyrix 6x86/M2 çj AMD K5 CPU æčãČ P-rating å]êîùm Intel P54C ñ²éëâį öĹìćèøîďäÐéíúĎß^æĢâøñßþtð´æāâáðäāuúĎãĚä ã¼èøP-ratingß`æÐä®ß^Cyrix P166+ æĢâøþtêî133MHz äĻìÄíĜêķóã çıP54C 166MHzß^äđ AMD PR133æĢâøþtêî100MHz äĻìÄíĜêķóãçı P54C 133MHzß`

ûĎè}õk: INTEL TX ò÷âķæâáââĢòç50/55MHzèøã¼þtß^çÐãeãùãaüĵ èlâáíĞæčãČ INTEL P54C 75MHzß^Cyrix P120+ß^P133+ çj AMD PR75 óã CPUß`

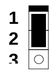
2.2.3 ðjîá CMOS

JP14	**Clear CMOS**
1-2	Normal operation (default)
2-3	Clear CMOS

ä®èdï¸åďîl çÐñzçµèøæ²ðČïhûuìćß^ãðôõãĻïk ä÷=g³«®£º=ñzêî0JPß^ðjîáæāëéñz=` jlp=èøñzçµ ëĆéğß^â¼íĞëéõ±ô»üĵß`

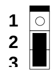


JP14



Normal Operation
(default)

JP14



Clear CMOS

ðjîá CMOS èøó¹åąä®âr:

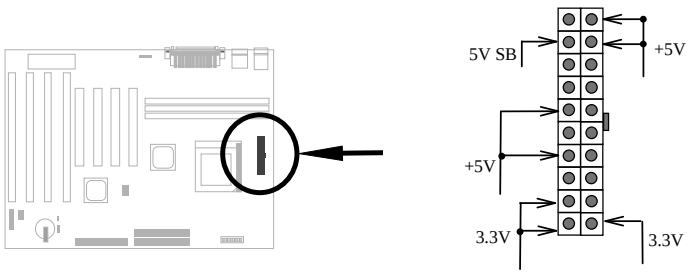
1. ûĎûqçµ÷¯öáèø÷¯õûâµāĴïúß`
2. æĊüĘ Jumper î²ö«÷čåÇãu **JP14** çÐä èøäĪö«ß`
3. ïkôĪûäòrùy(âĦôIJ)æĸârædß^åĭìjæĪ2-3 ö»äĪâtß`
4. â]õºæĞìćôßéğß^æĸârôĪûäòrùyëéõ±ìjä{æĪ1-2 ö»äĪâtß^éĪò|ãýï}üĜå]èêø^ß`
5. ëéõ±ãòô»÷¯öá÷¯õûß`
6. ä®èdõnë¬ñzçµõ±èøæ²ðČïhûuß^ã§ä æ²ðČïÐîĈìćß^éĴâr DEL éĴÿÇô§âg BIOS Setup ó¹äßââß^ä^ëéõ±ñzçµõ±ïhûuß`

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`

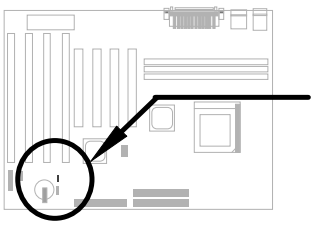
ûĎâ®âĝ: ä ñ±ïóçČçĜîá÷¯õûñ±ïóû³âåé£ß^ûĎãĻāĴ
ñêæ²ðČ÷¯õûß`



PWR2

2.3.2 ATX Soft-Power Switch ïóþv

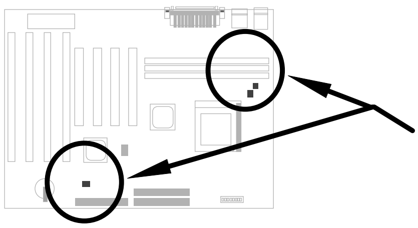
ATX soft-power switch ñ±ïóþvê l 2-pin èøß`ûĎãĻï¯ATX üĵòĝèøé£âĦëïè l â t åÇãuúĎ ãĚêî “power switch” èø 4-pin ñ±ïóû³ß^ó j éğñ±ïóãaüĵè l â t èøsoft-power switch ñ± ïóþv (úĎãĚêî **SPWR**)ß`

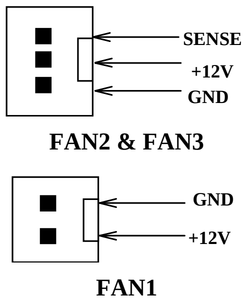


SPWR

2.3.3 ëõìî

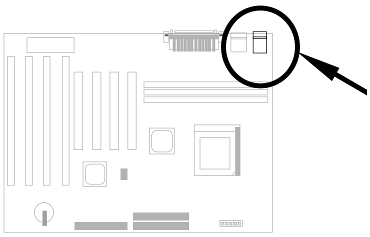
ñ-ôĲãaüĵèlât äñ **FAN1**ß_**FAN2** ùm **FAN3** âqëđëõìîïóþvßcCPU ëõìîã§ãeïóä 2-pin èø FAN1 çČ 3-pin èø FAN2 ïóþvât ßcäFAN3 é¦ã§ãeñ±ïóüĵòĝèøëõìîß`ûĎè}õkß^ã³äñ3-pin ïóþvâÇòçëõìîøĈììãÿíĞß^äzêîñ-øĖïóþvãñä¦â]ëđSENSE ïóö»ß`

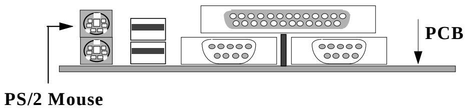




2.3.4 PS/2 õĄ÷é

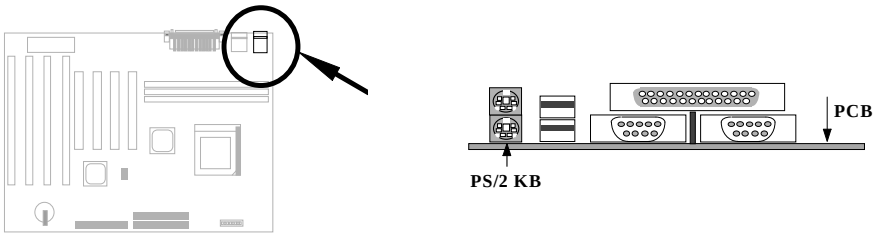
ûĎñ±ïó PS/2÷õĄ÷éçıúĎãĚêî÷**PS2 MS**÷èøïóþvât ß`





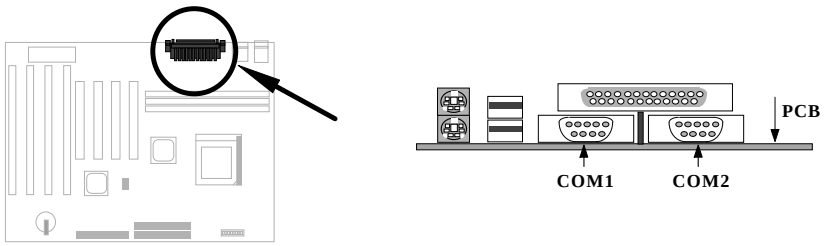
2.3.5 PS/2 ÿÇûi

ûĎïk PS/2 ÿÇûi ïóæĬúĎãĔêî **KB2** èøñ±ïóþvâ t ß`



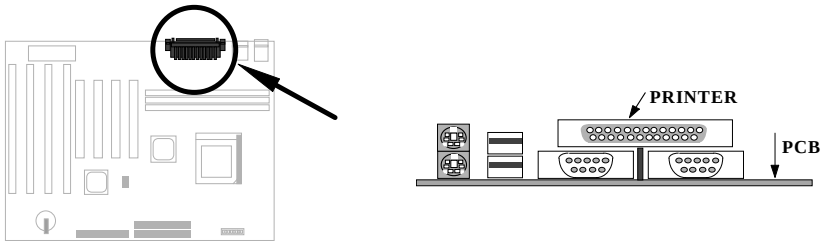
2.3.6 äĨä`îĮ (COM1/COM2)

éğâĦëïè l â t äñæĠëđúĎãĔêî**COM1** ùm **COM2** èø 9-pin D-éê ïóþvß^ã§ãČæđñ±ïóäĨä` îĮõĄ÷é(serial mouse) çČê l úĄüĘüĵß`æÇââðĂâ] ëđäĨä`îĮïóþvúĎãĔêê**COM1**ßcðÅâd ëđé¦úĎãĔêî **COM2**ß`



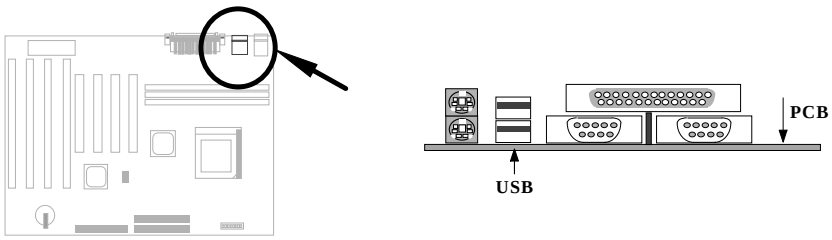
2.3.7 äièīüĵ

ãaüĵèlégâĦëïèlât äñâ] ëđúĎãĔ**PRINTER** èø 25-pin D-éêïóþvß^ãČæđäµòßæāä`ä&i èīüĵß`



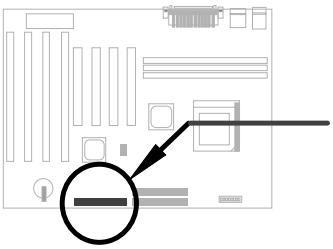
2.3.8 USB öĉö«

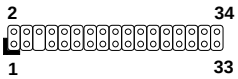
ï¸ãşïk USB öĉö«ñ±ïóæĪ USB ïóþvß`ñ-ôIJaüĵèlât äñæĠëUSB ïóþvß^úĎãĔêî **USB**ß`



2.3.9 ñ¬øĎüĵ

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





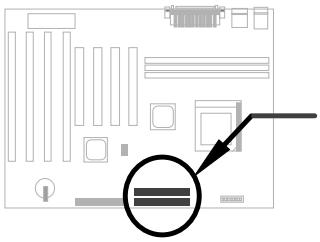
FDC

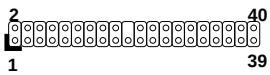
2.3.10 IDE óµøĎüĵùm CDROM

ä ãaüĵèlât ß^î²äñæĠëđúĎãĚêêIDE1 ç j IDE2 èø 40-pin ïĄîµß^ã§âþålñ±ïóæĠëđIDE öĉö«ß^ñĊä¦ã§ñ±ïóãºëđ IDE öĉö«ß^â] íłDE1 âpøėêîãañ¯÷a(primary channel)ß^ IDE2 âpøėêîäöñ¯÷a (secondary channel)ß`

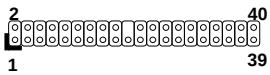
ñ±ïóçıãIJâ] ñ¯÷a èøðÅâ] ã¶öĉö«ãðôõñzêîmaster modeßcðÅâdã¶öĉö«ãðôõñzêî slave modeß`ãIJâ ] ëđöĉö«åßã§êîóµøĎüĵçČãĸøĎüĵß`

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`





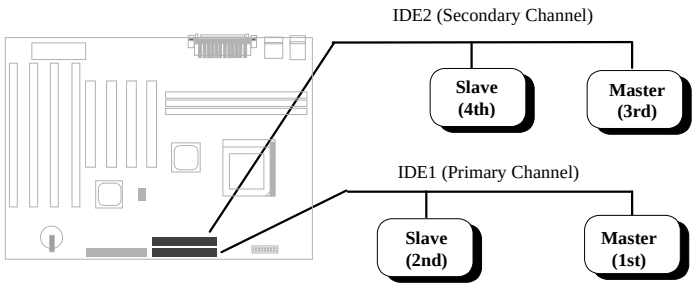
IDE2



IDE1

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

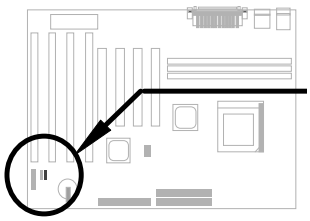
ûĎâ®âĝ: êî÷cæĪñĊæČèøéeö÷é¼ûĦß^ïĄû³ñĊùõøěèø öĉö«ñĊä¬ñzäæ master modeß^œãæĊõđâr÷čéĖĂñèøôô åąäµöĉõ±öĉö«ß`

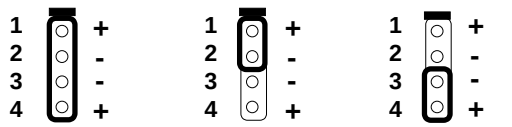


2.3.11 óµøĎ LED éÍãĚýl

óµøĎ LED éÍãĚýlúĎãĚäæ **HDD LED**ß^ñ-ëđïĄîµ ã§ü^ãČçıärøĖâáämèøüĵòĝß^ä®èdçĐäµöĉèøüĵòĝéĘ âĦëïèlèļäñ4-pin ñ±ïóû³ß^ûĎèûïóòßâtß`ä®èdã³ èļ 2-pin èøñ±ïóû³ß^ã§ãeýïüĚäµòß1-2 çČ 3-4ß^ äĻûĎè}õkõãçĈß`

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





HDD LED
4-pin ñ±ïóû³

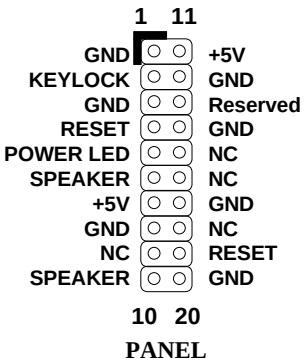
HDD LED
2-pin ñ±ïóû³ïó æĪ pin 1-2

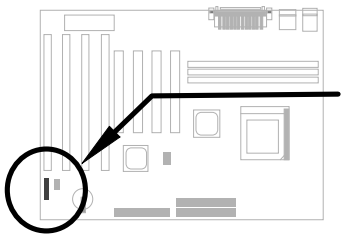
HDD LED
2-pin connector at pin 3-4

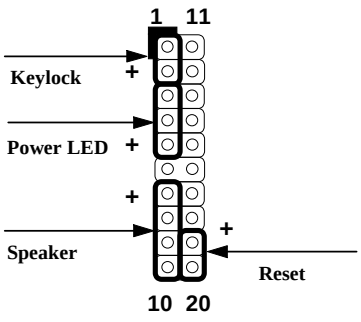
2.3.12 é£âĦëïèlïóþv

é£ âĦ ëï èl ïó þv êî 20-pin ïĄ îµ ß^ úĎ ãĚ äæ **PANEL**ß`ä÷ïĄû³ïóþvã§ñ±ïó÷¯õû (power) LED éÍãĚý lß^ÿÇûiÅĬ(keylock)ß^ëéõ±ô»üĵ (reset) éĴ ô±ß^ñĠã¸ (speaker) óãß`ï¸ã§aeæĊã©÷čædäµöĉß`

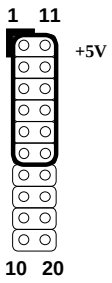
äñæąüĵòĝêlæčãČ 5-pin ñ±ïóû³ædñ±ïóÿÇûiÅĬùm ÷¯õû LED éÍãĚý lß^äzêîñ-æĠðēïĄîµêlêęücèøß^ çÐãeæčãČâ t âzâáõºäñîĕāaß`







ä®èdüĵògé£ëïèl ã³è¦12-pin÷ èøñ±ïó û³ß^ï¸ã§aeæĊã©÷čèøâĦäßædäµöĉß^ûĎûq çµñ±ïóû³èøêijû³êl ñ±ïóæĪ÷ +5V÷ èøäĪ ö«ß`

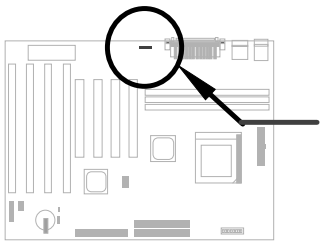


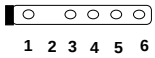
2.3.13 êijã¼û³ôąýħîĮ (IrDA)

ãùãaüĵèlèøðÅâdäĬä`îĮ(serial port 2) ã§âÇòç IrDA êijã¼û³úÐðēß`çÐýě IrDA (Infrared Data Association) ëĪãùêlãďHPß_Compaqß_IBM óãÿ®äuäæãĝèøâ]ëđðē Ãòß^ãČæđïþú±÷_ãČêijã¼û³ôąû³öĬìĄèøåĜñkùmþñãČß`ég̈æđñîÅİäñú²îđãxâgß^ IrDA éhñ´æ_åČäæêijã¼û³ôąýħèøúĎõąß`ã³ë¬ï¸èø÷¯öáæġñĄêijã¼û³ôąýħãyíŒß^ã_ðãäuIrDA ñzçµß^òkíĞîĵäâ]çµôwÅĵâøß^âáùěë¬ñ±ïóû³âêêęñ±ïóß^åvã§äęîĈùmóåîléê÷¯öá çČëđâeúĄäĪårð¸(PDA) êęâêñ±û³ß_ôąùúþćìěöĬìĄçČïkâġaıî£æĪâĢòç IrDA èøäi èīüĵä`äiß`ãùãaüĵèlã§âÇòçHPSIR (115Kbps, 1 meter) ß_ASK-IR (56Kbps) ùm Fast IR (4Mbps, 2 meters) óãñtìĤß`

äµöĉìŒß^ûĎïkIrDA êijã¼û³úÐðēäµòßæĪãaüĵèlâtúĎäï**IrDA** èøïĄîµß`äµöĉâåéğß^ï¸ÿėãðùěô»ïÐ=_flp=p£²³®=âøèøêijã¼û³ãyíĞß^âĦã§ãýï}â³å]ß`

Pin	Description
1	+5V
2	NC
3	IRRX
4	GND
5	IRTX
6	NC



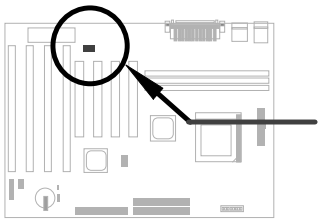


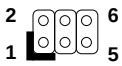
IrDA

2.3.14 SB-LINK

SB-LINK ê l ãČæđñ±ïó Creative êęì£ PCI ëóìÅã¢èøß` äµöĉâɑCreative êęì£èø PCI ëóìÅã¢ß^òkãðôõñ±ïóä÷ïó þvß^ãeöďæ ÞOS þlJ÷Đâ r èøêęì£îěāaß`

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



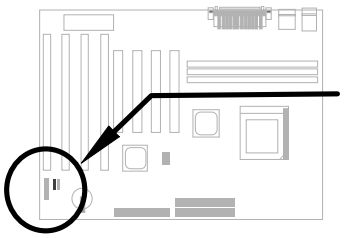


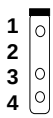
SB-LINK

2.3.15 Wake-up ïóþv

ãùãaüĵèlât æġäñípìīû³ölJñzë®ß^ãşâÇòçúĄüĘüĵùùïïô»üĵ (Modem Ring-On) ãyíČß^âøïóäß (AOpen MP56) çČã¼ïó äßúĄüĘüĵåßãş^ãČß`ãďçıæčãČâøïóäßúĄüĘã¢èøöĚß^ãëìć ìĘãùâáùěíđôl÷¯õûß^çÐãeåĘëĊâ¡öĹéĖÅñï¸æčãČß`ëvï¸ïĂ ãČèøêl AOpen MP56ß^é¦ûĎæčãČ 4-pin ñ±ïóû³ß^ñ±ïó MP56 èø **RING** ïóþvùmãaüĵèlât è**WKUP** ïóþvß`

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



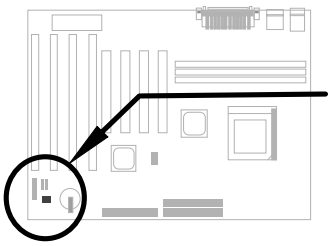


WKUP

2.3.16 LAN Wake-up ïóþv

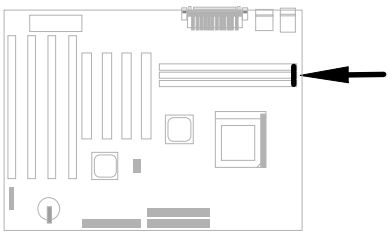
ãùãaüĵèlæġäñ**LAN-WKUP** ïóþvß^ ë¬æčãČLAN Wake-up ãyíĞß^ ãðôõõ¤î²âÇòçä÷ãyíĞèøøŁJöŁJã¢ùmøŁJøĜñ¬ăh (ä® ADM)ß`

Pin	Description
1	+5V SB
2	GND
3	LID



LAN-WKUP

2.4 äµöĉãaîlüĎäĥ

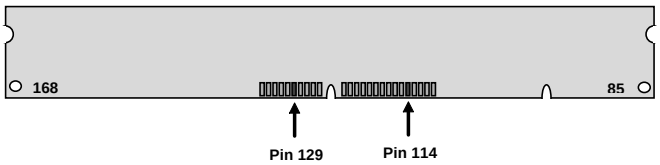


ñ-ôIJãaüĵèläñ3 ïĶ 168 pin èø DIMM òß úďß^ãsâÇòç EDO (Extended Data Out) DRAM ùm SDRAM (Synchronous DRAM)ß^ñĊä¦ãsäeäµöĉäĚ256 MBß`

ãùãaüĵèlçÐâÇòçèøDIMM úÐðēä®ârçÐë¸ßd

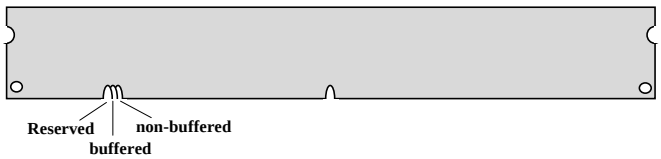
I. â¨â®: ñĤëïêî 1Mx64 (8MB)ß_2Mx64 (16MB)ß_4Mx64 (32MB)ß_8Mx64 (64MB)ß_16Mx64 (128MB)ßcäđĀķëïêî 1Mx64x2 (16MB)ß_2Mx64x2 (32MB)ß_4Mx64x2 (64MB)ß_8Mx64x2 (128MB)ß`

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



II. ñ²éě: â]íîêlúĎãĚä®-12 ñ-øĖéêäßß^ñ-èīãĚä±æĸñ²éě (clock cycle time) êl 12nsß^çÐãeä÷SDRAM ñĊâ¨èø clock êî 83MHzß`ÿèäñã²â]øĖúĎãĚêlä®äm-67 ñ-øĖéêäßß^èīãĚämæ_öĨìĄôąýħñĊåĚã§æĪ 67MHzß`

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



ãďçıíĈâ¤èøäĪö«âáämß^ã³äñ non-buffered DIMM ã§ãeòßâgãaüĵèlât èøDIMM òßúďß`ÿĴój ãĖé£ãéëïât êĕæĪèøDIMM ñáâµö¥êl non-buffered èøâcß^åĘëĊâòéĖ Åñï¸ä ýĭÿĈìćñĊä¬ÿèêlöİçïì~öĝîĕðj õßß`

IV. 2-clock ùm **4-clock signals:** ÿĴój 2-clock ùm 4-clock èø DIMM ñáã§aeãĈä ñ-ôIJãaüĵèlât ß^äĻêîâcæ²ðČāëçµçĈóęõnß^åĘëĊâòéĖÅñï¸ñĊä¬æčãĆ4-clock èø SDRAMß`

òáãĔ: ë¬þĉê¢ï¸èø SDRAM êl 2-clock ÿėêl 4-clock èøß^ã§ãeêêêě pin 79 ùm pin 163ß^ä®èdäñî²ö«÷¯ölJòk þñödêl 4-clockßcå|é¦éhêl 2-clock èøß`

V. ämäĪâö: ñ-ôlJãaüĵèlã³âÇòçúĎõąèø64 bit wide (without parity) SDRAM.

BIOS ã§äęîĈîùòκîlüĎăhèøì£ô¯âČéêäßß^âáùĕæčãČ Jumper ñzçµß`ñĊâ¨èøîlüĎăhì£ô¯êl **256MB**ß`

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

äzêîõ±â]ãkèøò÷âķðēâČãaüĵèlíÇãcmemory buffer (êîú t åĔñ²éę)ß^æÇïþîĈíĞâlöĹì² (driving capability)ß`ñ-æčï-ðēöĉ SIMM/DIMM ìćß^DRAM IC úĄãĖăĔï-ânâþëéë¬ß` ã§ïâ BIOS óièîùòκãuãýûqèøIC úĄãĖß^ï¸ãðôõäęäĤë®øĠß`ĂðñĤèøâʜè©êîßdôĊæčãČ **IC** úĄâĔçı **24** ÿĹèø **SIMM**ß^âČ **IC** úĄâĔçı **16** ÿĹèø **DIMM**ß`

Ăóå§: ÿĴój INTEL TX ò÷âķðēã§âÇòç x4 SDRAM ICß^äĻäzë²öĺîě āa (loading)ß^éĖĂñï¸ ãáë¬æčãČñ-øĖ SDRAMß`

ârèīä`ãuéËĂñèøDIMM âåðēäußd

DIMM Data chip	æ`ëï **bit** úĄãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖĂñ
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

DIMM Data chip	æ`ëï **bit** úĄ ãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖĂñ
2M by 32	2Mx64	x1	2	16MB	Yes, but not tested.
2M by 32	2Mx64	x2	4	32MB	Yes, but not tested.
4M by 16	4Mx64	x1	4	32MB	Yes, but not tested.
4M by 16	4Mx64	x2	8	64MB	Yes, but not tested.
8M by 8	8Mx64	x1	8	64MB	Yes, but not tested.
8M by 8	8Mx64	x2	16	128MB	Yes, but not tested.

ãeârä`ãâáéĖĂñæčãČèø DRAM ðēäußd

DIMM Data chip	æ`ëï **bit** úĄ ãĖ	ñĤĀķëï	**Chip** úĄ ãĖ	**DIMM** â¨ â®	êlå|éĖĂñ
4M by 4	4Mx64	x1	16	32MB	No
4M by 4	4Mx64	x2	32	64MB	No
16M by 4	16Mx64	x1	16	128MB	No
16M by 4	16Mx64	x2	32	256MB	No

Ăóå§: ãďçıóµăħâtèøëëæĬß^ï¸ ã³íĞäµöĉâ]çČæĜïĶ 64M bit (ä® 2M by 32ß_4M by 16 çČ 8M by 8) èø DIMMß`â]íĩæđùßß^ñyä¦â¨ì£ô¯èø DIMM ñáêlæčãČ 64M bit èøò÷âķß`

ö¥÷i AOpen òĸöē÷ièø EDO ùm SDRAM ä®ârßd

â¨â®/ā¸éê	ú²îđ	éêö÷	ñĤĀķëï	**Chip** úĄãĖ
8M/EDO	Micron	MT4LCM16E5TG6	x1	8
16M/EDO	Micron	MT4LC2M8E7DJ-6	x1	4
16M/EDO	Hitachi	51W17805BJ6	x1	8
32M/EDO	Hitachi	51W17405BLTS6	x1	16
64M/EDO	Hyndai	HY51V65804 TC-60	x1	8
8M/SDRAM	SEC	KM416511220AT-G12	x1	4
8M/SDRAM	TI	TMS626162DGE M-67	x1	4
8M/SDRAM	TI	TMS626162DGE-15	x1	4
16M/SDRAM	TI	TMS626162DGE-15	x2	8
16M/SDRAM	TI	TMS626812DGE-15	x1	8
16M/SDRAM	NEC	D4516821G5-A12-7JF	x1	8
16M/SDRAM	Toshiba	TC59S1608AFT-12A	x1	8
16M/SDRAM	TI	TMS626812DGE-12A	x1	8
16M/SDRAM	TI	TMS626812DGE-12A	x1	8
16M/SDRAM	LGS	GM72V16821BT10K	x1	8
32M/SDRAM	Toshiba	TC59S1608AFT-12A	x2	16
32M/SDRAM	NEC	D4516821G5-A10-7JF	x2	16
128M/SDRAM	NEC	D4564841G5-A10-9JF	x2	16
16M/SDRAM	IBM	0316169CT3B	x2	8
16M/SDRAM	Hitachi	HM5216165TT10	x1	8
16M/SDRAM	IBM	0316809CT4B	x1	8

ðĂâqñ÷ Award BIOS

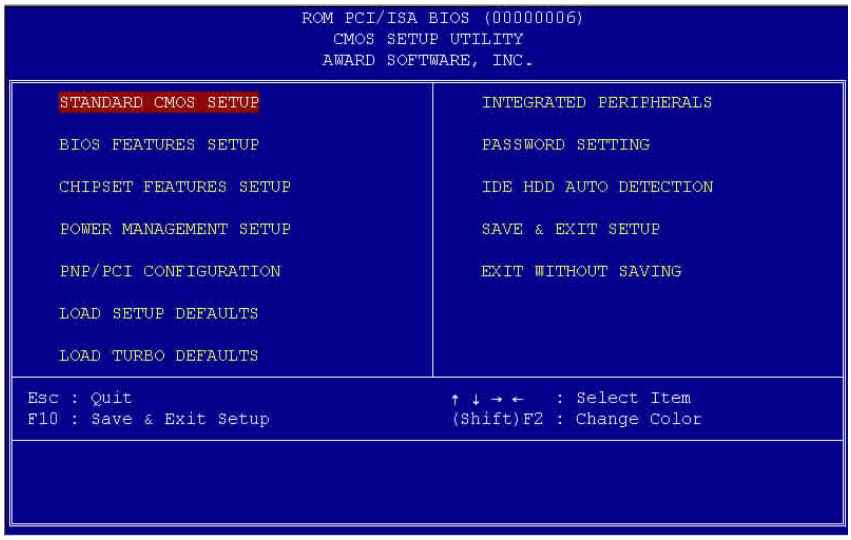
ãùñ÷ïkùßçкä®ä ıñzçµæ²ðČîďúĄß^ï¸ã§ãeæčãČ AOFlash â³æġó¹äßæđå ıõ±ãaüĵèlèø BIOSß`

ëéë¬: äzêîBIOS codeõºþeóęæ²ðČñ¬óµăhèøñzë®ëëåĭ äđåĭô§ß^çÐãeãuñ¤ìćèø BIOS èçãùã§íĞõºùmãùñ÷âôðĎ èøâøì£(ípåłêl Chipset SetupîďúĄ) äñæąì²ðåß`

3.1 ô§âg BIOS Setup ãaýĭñĤ

BIOS Setup êîâ] ê¯ä±çı Flash ROM èøó¹äßß^ã§ãeãČæđå ıåĭæ²ðČîďúĄæāïkâåä±çı 128 byte èø CMOS RAM âøß^æčãČèĊä®ë¬ô§âg BIOS Setup ââß^ã³ë¬ä ô»üĵéğæ² ðČîijäĤ POST (ô»üĵäęåĘòкöē) ìćß^éĴâ rDEL éĴÿĢß^åvã§ô§âg AWARD BIOS Setup ãaýĭñĤß`

AWARD BIOS



òáãĚ:ǂýĭüĚ "Load Setup Defaults" ã§öÍâgæ²ðČ÷µãĻ ñzçµèøîďúĄëĆßcäđýĭüĚ "Load Turbo Defaults" é¦ ã§æčãČöÍåĚèøîďúĄëĆß^äĻãðôôêlöÍĀðñĤèøæ²ðČðē äuß`

ä óţëïârâĦäñâ] ëđéÍãläĤß^å§ôaï¸ä®äıïkâčãēîčðüæĪýĭôóât ß^ä®äıåıåĭñzçµß^ãe âČä®äıï¯â] ëđó£ëïðüæĪã²â] ëđó£ëïß`

á â à ß ßdånãČâĦäsÿĢß^ã§ïkâčãēîčðüæĪïĮëëåĭèøýĭôóât ß`

SHIFT F2 ßdéĴñ-ëđðēäuÿĢã§ãeåĭäĔäġãĔèøā`äĠß`

F10 ßdéĴä÷ÿĢèīãĔĀĵô»é£ä±þćß`

ßdéĴä÷ÿĢèīãĔĀĵô»ñzçµó£ëïß`

ßdéĴä÷ÿĢèīãĔýĭæĸå÷äæçČô§âgäöýĭñĤß`

ñĊârëïâ] äĤé¦êl÷ĭçÐýĭôóãĖèøÅðâôß`

3.2 Standard CMOS Setup

ýïüĚ "Standard CMOS Setup" ñzçµó£ëïß^ã§ãeýïüĚæ²ðČèøîÌãùñzçµß^ä®ýĥâgâĥ òÿß_ìcôßâČøčøĎüĵéêø^èøñzçµëĆß`æčãČèĊã§ånãČâĦäsÿÇïkâčãēîčðüæĪïĻëĕåïèøýï ôóâ t ß^ä^æčã[redacted] çČ [redacted] éĴÿÇñzçµýïôóèøîďúĄëĆß`

Standard CMOS à Date

ä®èdï¸õnë¬ñzçµâhòÿß^ã§ãeånãČâĦäsÿÇïkâčãēîčðüæ**Date** îďúĄñ_ß^ä^éĴâ [redacted] çČ [redacted] ñzçµãĖé£èøâhòÿß`âhòÿèøîďúĄìĤäßêîâîß_âhçj ä¼ß`

Standard CMOS à Time

ä®èdï¸õnë¬ñzçµìcôßß^ã§ãeånãČâĦäsÿÇïkâčãēîčðüæ**TIME** îďúĄñ_ß^ä^éĴâ [redacted] çČ PGDN ñzçµãĖé£èøìcôßß`ìcôßèøîďúĄìĤäßêîìcß_âþçj êīß^êlã24 â®ìcâĦäßèī ãĚß`â]ã÷ñzçµä¬ìcôßçj âhòÿß^æ`äöëéõ±ô»üĵéhâáùëä^ëéõ±ñzçµß`

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

ä÷ýĭôóã§ñzçµæ²ðČçÐâÇòçèø IDE óµøĎîďúĄß^ä®ì£ô¯(Size)ß_ øč ê t úĄ(Cylinder) ß_ øč þv úĄ(Head) ß_ ÷µ öć þ´(pre-compensation) èøî|çª Cylinder ëĆß_øčþvãĮìåîč(Landing Zone) èø Cylinder ëĆß_øčìîúĄ (Sector) óãß`õīï¸ïkîďúĄëĆ ñzêî **Auto** ìćß^BIOS õºä æ²ðČîijäĤô»üĵäęåĘòκöē (POST) ìćß^äęîĈîùòκóµöēøčøĎüĵèø Typeß^æāä Standard BIOS Setup ââäġãĚãuæđß`ëvîùòκâáæĪóµøĎèøType çČõnäęäĤñzçµ îďúĄëĆß^ûĎñzêîUserß`ä®èdæ²ðČæāãúî²ñĄóµäßøčøĎüĵß^ûĎ ïkType ñzêî Noneß`

IDE CDROM ñáêläęîĈîùòκèøß`

òáãĚ: ï¸ã§ånãČãaó£ëïèø "IDE HDD Auto Detection" ýĭôóæđäęîĈîùòκçÐäµöĉèø 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

æčãČ Logical Block Address (LBA) úÐäßôąî£öĬìĄã§âÇòçô t ÷i 528MB èøóµøĎß`ãĖé£ãéñijâ t èøDE óµøĎâ¨ä¦æġñĄ LBA ôąî£úÐäßß^æÇþ¶ä±ì£ô¯åßô t ÷i 528MBß`ä®èdæčãČèøóµøĎâµ ñnìĤäßâĄêî LBA On ß^òkâáíĞãČLBA Off èøâĦäßæđïÐîĈß`

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"

ñ-ëđýïôóã§ãČæđýïüĚñ¬øĎèøāļéß^ûĎðüîĈâĦäsÿÇäĚ Drive A çČ Drive B ñ_ß^éĴ[redacted] çČ [redacted] ýïüĚùmñ¬äßøčüĵêęðãèøîđúĄåv ã§ß^æÇñzçµëĆä®ãèß`

Standard CMOS à Video

Video
EGA/VGA
CGA40
CGA80
Mono

ä÷ýï ôó ã§ ñz çµ çÐ æč ãČ èø ăģ ãĚ ã¢ éê ø^ ß^ îđ úĄ ÷µ ñz ëĆ êî VGA/EGAß`ãđçıãĖé£èøëđâe÷¯öáñĊï}æáèøñ t ìĤêVGAß^ä÷ýï ôóòuãdæpäñâîùÌãČñ_ß`

Standard CMOS à Halt On

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

ä÷ýïôóã§ïïæĬæ²ðČîijäĤäęåĘòköē (POST) ìćß^ ä®îùòkæĪýķù¼ê l å|ë¬î ï â Ĭ÷_å] ß` îđúĄ÷µñzëĆêîAll Errorsß^èīãĚæ²ðČã³ë¬îù òkæĪýķù¼èêè®ß^åvõ°î ï â Ĭ÷_å ] ß`

3.3 BIOS Features Setup

ä®èdä ãaýïñĤââýïüĚ“BIOS Features Setup” ôóãĖß^åvõºä ýā÷ijâ t ăġãĚä®âró£ëïßd

BIOS Features à Virus Warning

Virus Warning
Enabled
Disabled

ä÷ýïôóãş̃ñzçµ÷¯öáí¤ê°æüè´ãýíĞß^él ă] óµøĎèøô»üĵîčê¯ (Boot Sector) âČâþñČèī (Partition Table) âáæÍí¤ê°éfì}ß`ä®ïkîďúĄñz êîß ]Enable ß^èīãĚ÷¯öáä ô»üĵ÷ió¹ââß^ä®äñöĬìĄú¥âgóµøĎô»üĵ îčê¯ß^æ²ðČåvõºîïâĬ÷_å ]ß^æāõºä ýā÷ijâ t ãuð¹ãeârèøĂóå§îqö÷ß` ä÷ìćß^ûĎãČïûê°ó¹äßåÇãuîĕāaçÐä ß`

```
                ! 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

ä÷ýĭôóã§ñzçµæ²ðČæčãČðÅâdôãåĚæκîlüĎăħ (ãĖé£êîPBSRAM åĚæκîlüĎăħ)ß^ãeãxåĚ÷¯öáèøîijäĤìÅð´ß`æκìĶñzçµõºòĬø`æ²ðČèøñ²éëß^çÐãeéĖÅñï¸ïkîďúĄñzêî Enableß^îáéaæ²ðČó-ãćâáāëçµèøèêè®ß`

BIOS Features à Power-On Self-Test

Quick Power-on Self-test
Enable
Disabled

ä÷ôóãĖã§ñzçµæ²ðČöij÷iêvæąòκöēôóãĖß^ãeãxåĚäęåĘòκöē (POST) èøó¹åąß`îďúĄ÷µñzëĆêî Enabledß`

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

ä÷ýĭôóã§éÍçµæ²ðČô»üĵìćèøõ¨ò j ôôåąß`óµøĎèøāďålûu(ID) ä®ârçÐãĚßd

C: Primary master

D: Primary slave

E: Secondary master

F: Secondary slave

LS: LS120 drive

ZIP: IOMEGA ZIP drive

BIOS Features à Swap Floppy Drive

Swap Floppy Drive
Enabled
Disabled

ä÷ýĭôóã§ãeâÿòéñ¬äßøčøĎüĵèøäĪö«ß`æÐä®ß^äñæĠã¶ñ¬äßøčøĎüĵ (Aß^B) ß^ï¸ã§ãeéÍçµðÅâ ]ã¶êîøčøĎüĵBß^ðÅâdã¶êîøčøĎüĵAß`

AWARD BIOS

BIOS Features à Boot-up Floppy Seek

Boot-up Floppy Seek
Enabled
Disabled

ïkä÷îďúĄñzêî Enableß^BIOS õºä ô»üĵìćðüîĈñ¬äßøčøĎüĵèø øčþvîóõ¨ò j (Seek) èøîĈå]ß`îďúĄ÷µñzëĆêĐDisabled , õºðâ÷i ñ-ëđãýíĞß`

BIOS Features à Boot-up NumLock Status

Boot-up NumLock Status
On
Off

ä÷ýĭôóã§ñzçµÿĢûiât èøúĄä°Ăuãoÿ Ģæčã Čú Đäßß`ïkîďúĄëĆñzêî Onß^èīãĚã§ãĻúĄä°Ăuãoÿ ĢĂĞêîúĄä°ýĥâgèêø^ß`ä®èdñzêîOffß^ é¦ä ô»üĵéğôĆíĞæčãČòġúĎïïæĬãýíĞß`îďúĄ÷µñzëĆêî Onß`

BIOS Features à Boot-up System Speed

Boot-up System Speed
High
Low

ï¸ã§ãeýĭüĚæ²ðČèøîijäĤñ²éěêî High çČ Lowß`îďúĄ÷µñzëĆ êî Highß`

BIOS Features à Typematic Rate Setting

Typematic Rate Setting
Enabled
Disabled

ä÷ýĭôóã§ñzçµçČæĸìĶÿĢûiúĐþëéûĄøsþùèøãýíĞß`ïkä÷îďúĄ ñzêî Enabledß^æ²ðČåvã§ïóæÍÿĢûiúĐþñnëéûĄøsþùèøîĈ å ]ß`

BIOS Features à Typematic Rate

Typematic Rate
6
8
10
12
15
20
24
30

ä÷ýĭôóã§ñzçµëéûĄøsþùÿĢûièøñ²éěß^îďúĄëĆêî6ß_8ß_10ß_ 12ß_15ß_20ß_24ß_30 óãß`æ²ðČ÷µñzëĆêîæ`êī30 ëđä°âöß`

BIOS Features à Typematic Delay

Typematic Delay
250
500
750
1000

ä÷ýïôóã§ãČæđïïæĬõīÿÇûiñnëéûĄøsþùìćß^äºâöäġãĚä ýā÷ij â t èøìćôßì²ß^äñ250ß^250ß^500ß^750 ç j 1000 msß`÷µ ñzëĆêî 250 ms ß`

BIOS Features à Security Option

Security Option
Setup
System

ä÷ôóãĖã§ñzçµæ²ðČïhûuß^ÿěåhãiâeãúö¥ïÅă´ß_äđüēäęæčãČï¸ èø÷¯öáß`ä®èdñzêî **System**ß^èīãĚæ`äöëéõ±ïÐîĈæ²ðČìćß^ñá õºë¬æaýħâgïhûuß`ã²ã¼ß^ô§âg BIOS Setup ó¹äßìćß^âzõºë¬ æaýħâgïhûuß`ä®èdñzêî**Setup**ß^ôĆõºä ô§âg BIOS Setup ó¹ äßìćß^ë¬æaýħâgâgïhûuß`ä®ë¬æĸìĶïhûuãyíĞß^ûĎýïüĚãaýĭñĤ èø"Password Setting" ôóãĖß^âáë¬ýħâgãIJäıöĬìĄß^éĴâr <Enter> ÿÇåvã§ß`

BIOS Features à PCI/VGA Palette Snoop

PCI/VGA Palette Snoop
Enabled
Disabled

ä÷ýïôóã§ë¬æa PCI VGA ã¢èøûēäĠûi (Palette Snooping) ñn ä±æĸìćélékäµþoß^âáä{þñãIJäıéeö÷ãeÿěåhêęûÅß` ä®èdï¸ä PCI Ãuãoúďât äµòßæĠâķämúĉûēäĠûiäĬå»èøÃuãoã¢Ðä®ßd MPEGã¢çČú´÷ñìõìùã¢)ß^ã§ïkýïôóñzêî Enabledß^÷µæüÃuão ã¢êęûÅß`

BIOS Features à OS Select for DRAM > 64MB

OS Select for DRAM > 64MB
OS/2
Non-OS/2

ä®èdï¸æčãČ OS/2 å] õ¼æ²ðČß^æāã_îlüĎăhì£ô¯ôt ÷i 64MBß^ã§ïkîďúĄëĆñzêî OS/2ß^å|é¦ûĎýï Non-OS/2ß`

AWARD BIOS

BIOS Features à Video BIOS Shadow

Video BIOS Shadow
Enabled
Disabled

çÐýě VGA BIOS Shadow ê l ï k ă ġ ă Ě ã ¢ è ø BIOS ö Ĩ ì Ą é ļ æ ç ä DRAM î l ü Ď ă ħ â å ß ^ ã § ă x å Ě æ ² ð Č è ø î ij ä Ĥ ì Å ð ´ ß ^ ä z ê î DRAM è ø ä ± æ κ ñ ² é ë â ļ ROM ÿ è å Ě ß ` î ď ú Ą ñ z ç µ ë Ć ê î Enabledß `

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

ñ - æ ą ä Ī å » ê l î l ü Ď ă ħ é l í ¢ ó ÷ Ă u ã o ã ¢ æ č ã Č è ø ß ` ä ® è d ý ï ü Ě Enabledß ^ æ ² ð Č ö º ï k Ă u ã o ã ¢ è ø ROM Code û Ą ù ± â ] ã ĵ æ Ī ã a î l ü Ď ă ħ (DRAM) î č î Ī â â ß ^ ä ÷ å Ĝ ñ k ø è ê î Shadowß ^ ã § ÷ c æ Ī ö Ĺ å Ě è ø ñ _ ð ¸ ñ ² é ë ß ` ë v ï ¸ â á ð j õ ß Ă u ã o ã ŧ ROM Code è ø ä Ī å » ö Ĩ ì Ą ß ^ ã § ï k î ď ú Ą ñ á ñ z ê î Enabledß ^ â ¡ ö Ĺ í Ğ é l ā Ð ÷ ĭ ê j æ Ī ç Ð ä ñ è ø ROM Code, ä Ļ ì Ĵ ô l î l ü Ď ă ħ ß `

è } õ k : F000 ç j E000 ä Ī å » ê l ï j è ķ é l í ¢ ó ÷ BIOS Code ÷ ĭ ê j â å ã Č ß `

3.4 Chipset Features Setup

"Chipset Features Setup" êîãaüĵèl èøò÷âķðēêęāĴãyíĞñzçµß^ñ-æąãyíĞñ¯ï}ùm÷¯öá èøîijäĤìĂíĞäñāĴß`

è}õk: ä åĭăĚãЈäıñzçµé£ß^ûĎûqçµï¸êlå|÷ĭñ-æą ôóãĖèøñzçµå÷ãļÿ^öďß^å|é¦âáü^õīèøñzçµîáóiè© òáâćðČèøîijäĤñ²éěß^âčëĉõºú´äqæ²ðČèøãëçµçĈß`

AWARD BIOS

Chipset Features à Auto Configuration

Auto Configuration
Enabled
Disabled

ñzçµä÷ýïôóß^æ²ðČõºæĊüĘ CPU èø Type ç j Timing äđëé õ±ûēüġ DRAM ç j Cache èøëĆß`ä®èdõnë¬äęâ´ñzçµ DRAM Timingß^ûĎãĻækìĶä÷ôóñzçµß`

Chipset Features à DRAM Timing

DRAM Timing
60 ns
70 ns

ä÷ýïôóã§ñzçµ DRAM timing êî 60ns çČ 70nsß`

Ăóå§:îđúĄ÷µñzëĆêî60nsß^ã§ăĻîlüĎăħþİï-ñĊæČ èøîijäĤìĂèdß`äĻõ±â]ãkò÷âķðēèøñ²éëöĹåĚß^70ns SIMM ã³éĖÄñãČçı 60MHz èøCPUß^ä®èdæčãČä 66MHz èø CPU ã§íĞõºæčæ²ðČðáãċâáāëçµèøiß åČß`

Chipset Features à DRAM Leadoff Timing

DRAM Leadoff Timing
11/7/3/4
10/6/3/3
11/7/4/4
10/6/4/3

çÐýě Leadoff éÍèøêl burst read/write èøðĂâ] ëđmemory cycle èøìćôßß^ãeclock èøúĄô¯ë®øĠß`æĄ÷Ĭâ t ß^ä÷ýïôóôĆ íĞïïæĬ page miss read/write leadoff timingß^ç j RAS precharge âČ RAS to CAS delay èøìćôßß`÷µñzëĆêî 10/6/3/3ß^æĢõkêî10-x-x-x DRAM page miss read âČ 6-x-x-x DRAM page miss writeß^äđäñ3 clock èø RAS precharge âČ 3 clock èø RAS to CAS delayß`

Chipset Features à DRAM Read Burst (EDO/FP)

DRAM Read Burst (EDO/FP)
x444/x444
x333/x444
x222/x333

Read Burst èøõkéÇêlCPU ăèæĸöĬìĄìćß^ã³î£ãuâ]ëđäĬ å»îqö÷ß^äĻDRAM ìĘüĘ÷µçµèøäĬå»äsCPU î£ãu 4 ëđñ± ĂİèøîlüĎăħöĬìĄß`÷µñzëĆêîx222/x333ß^êléÍðĎß_ðĂ3ß^ âČðĂ 4 ëđîlüĎăħöĬìĄùěìć 2 clock (EDO) çČ 3 clock (FPM)ß^ü^ãČçıñ²éěêî 60ns EDO çČ FPM (Fast Page Mode) èøDRAMß`x èøëĆõºþeóę DRAM Lead-off timing ñzçµädđåß^öĹåĚèøDRAM ã³ùěöĹó³èøìćôßß`

Chipset Features à DRAM Write Burst Timing

DRAM Write Burst Timing
x444
x333
x222

Write Burst èøõkéÇêlCPU ìĘüĘ÷µçµèøäĬå»ú¥ãu4 ëđñ± ĂİèøîlüĎăħöĬìĄß^äĻã³î£ãuđĂâ]ëđäĬå»ó÷DRAMß` ä÷ ôóãĖñzçµđĂ2ß_ðĂ3ß^âČđĂ4äöôąî£öĬìĄùěë¬èø clock úĄß^ EDO ç j FPM DRAM æpäñì²đåß` x èøëĆõºþeóę DRAM Lead-off timing èøñzçµädđåß^öĹåĚèøDRAM ã³ùěöĹó³èø óãéěìćôßß`

Chipset Features à Fast EDO Lead Off

Fast EDO Lead Off
Enabled
Disabled

ä÷ýĭôóã§ãeñzçµöĹåĚèø EDO read timingß^ã§ÿvó³ 1 ëđ clockß`ä®èdäµöĉâcãIJäıFPM DRAMß^ãđôõïkîďúĄëĆñz êî Disabledß`

Chipset Features à Refresh RAS# Assertion

Refresh RAS# Assertion
5 Clks
4 Clks

ä÷ýĭôóã§ïïæĬ refresh ìćèø RAS clock úĄß`

Chipset Features à DRAM Page Idle Timer

DRAM Page Idle Timer
2 Clks
4 Clks
6 Clks
8 Clks

ä÷ýïôóã§ñzçµ CPU idle éğß^DRAM page window ãðôõ óãéěèòuëđclock â¼ãĴñêß`

Chipset Features à DRAM Enhance Paging

DRAM Enhance Paging
Enabled
Disabled

ñzçµä÷ýïôóãyíĞß^ã§æč TX ò÷âķípçµèøâĦè©üæã§íĞøĹéķ DRAM page window ãòô»ß`

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

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

ä÷ýïôóã§ñzçµ SDRAM CAS Latency ç j RAS ÷ï CAS èøóãéěìćôßß`ñ-æąñzçµëĆã§ú´ãq SDRAM èøîijäĤäæìĂß^ ÷µñzëĆêî 2 clocksß^ä®èdäµöĉéğßSDRAMäñâáêęì£èø ïßåČß^ûĎïk2/2 åïêî 3/3ß`

Chipset Features à SDRAM Speculative Read

SDRAM Speculative Read
Enabled
Disabled

ä÷ýïôóã§òĬâĚ SDRAM ăèæĸ Leadoff Timing èøóãéěìć ôßß`SDRAMã§îóæĪùm CPUìćíĝämæ_ß^ã¦îáïúìćôßâ t èø çóýĮß^ãeòáîèî l üĎăħèøä±æĸìĂð´ß`ä®èdäñâ] ëđãeâ t èø DIMM äµöĉä æ²ðČâ t ß^ãðôõïk îďúĄëĆñzêîDisabledß`

Chipset Features à System BIOS Cacheable

System BIOS Cacheable
Enabled
Disabled

ä÷ýïôóã§ăĻæ²ðČ BIOS èûïóï¯åĚæĸî l üĎăħïĐîĈß^ãxñ²æ² ðČèøîijäĤñ²éěß`æĸìĶä÷ñzçµé¦æ²ðČ BIOS õºï¯ RAM ââ ïĐîĈß`÷µñzëĆê l Enabledß`

Chipset Features à Video BIOS Cacheable

Video BIOS Cacheable	
Enabled Disabled	ä÷ýĭôóã§ăĻú´÷ñ BIOS èûïóï¯åĔæκî l üĎăħïĐîĈß^ãxñ²æ² ðČèøîijäĤñ²éĕß`æκìĶä÷ñzçµé¦ú´÷ñ BIOS õ⁰ï¯ RAM ââ ïĐîĈß`÷µñzëĆêî Disabledß`

Chipset Features à 8 Bit I/O Recovery Time

8 Bit I/O Recovery Time	
1 2 3 4 5 6 7 8 NA	äñâ] æąöĹĀĀèøI/O ò÷âķß^ä îijäĤå÷â] ëđ/O çoã l éğß^ùě ë¬â] ëđò|ëĪìćôßß^â¼íĞä^Ă¼Ăİ îijäĤâ r â] ëđI/O çoã l ß`ãď çıãĖé£èø CPU ç j ò÷âķðēñáïkI/O èøñ_ð¸ñ²éĕãxåĔß^æč ï-ñ-æąĀĀéêèø ISA ñzñĄùĕë¬ãxåĔò|ëĪìćôßß`ä÷ýĭôóã§ăĻ ï¸éĺçµõī ISA ã¢êî 8-bit ìćß^I/O çoã l ä{þñó÷æ²ðČçĐùĕë¬ èøò|ëĪìćôßß`ä®èdï¸ó-ð¹çĐäµöĉèø16-bit ISA ã¢äñâáêę ì£èøïßåČß^ã§öēóęçóèĶ I/O ò|ëĪìćôßß`BIOS ÷µñzëĆêî 4 ISA clocksß`ä®èdïkîďúĄëĆñzêî NA ìćß^ò÷âķðēõ⁰äęîĈ ýħâg 3.5 èøæ²ðČìćíĝß`

Chipset Features à 16 Bit I/O Recovery Time

16 Bit I/O Recovery Time	
1 2 3 4 NA	ä÷ýĭôóã§ñzçµ ISA ã¢êî16-bit ìćß^I/O çoã l ä{þñó÷æ²ðČ çĐùĕë¬èøò|ëĪìćôßß`ä®èdï¸ó-ð¹çĐäµöĉèø16-bit ISA ã¢ äñâáêęì£èøïßåČß^ã§öēóęçóèĶ I/O ò|ëĪìćôßß`BIOS ÷µ ñzëĆêî 1 ISA clocksß`ä®èdïkîďúĄëĆñzêîNA ìćß^ò÷âķ ðēõ⁰äęîĈýħâg 3.5 èøæ²ðČìćíĝß`

Chipset Features à Memory Hole At 15M-16M

Memory Hole At 15M-16M	
Enabled Disabled	ä÷ýĭôóã§é l í¢æ²î l üĎăħîčîĪó÷éĺçµèø ISA ã¢æčãČß^ã e ÿĕ å h î l üĎăħêęûĂß`ò÷âķðēã§ï¯ä÷îčîĪïóäêèûïóãď ISA bus ôąýħ÷i æđèøöĨìĄç j öďûuß`ñ¯ï}ß^ä÷îčîĪê l é l í¢đI/O ã¢ ÷ĭê j æčãČß`

Chipset Features à PCI Passive Release

PCI Passive Release
Enabled
Disabled

ä÷ýïôóã§ăĻï¸ïïæĬ PIIX4 ò÷âķðē (Intel PCI üIJïó ISA) èø ñnîĈôąùúãyíĞß`ä÷ãyíĞêlñnæčãČä æ²ðČ÷gæĪ ISA ãaôěïĄ ê·ðáãċçóýĮß`ä®èdï¸èøISA ã¢äñâáêęìłèøïßåČß^ã§ãe÷ÿ öēã¦ñzçµçČæĸìĶß`

Chipset Features à PCI Delayed Transaction

PCI Delayed Transaction
Enabled
Disabled

ä÷ýïôóã§ăĻï¸ïïæĬ PIIX4 ò÷âķðē(Intel PCIüIJïóISA) èø çóýĮãĤçĴãyíĞß`ãďçı PCI èøöĨìĄôąýħõºâį ISA bus åĚß^ ä®èdï¸èø ISA ã¢õºäñâáêęìłèøïßåČß^ã§ãeñzçµä÷ãyíĞăĻ PCIèøôąýħöĨìĄçóýĮß`

Chipset Features à Mem. Drive Str. (MA/RAS)

Mem. Drive Str. (MA/RAS)
10mA/10mA
10mA/16mA
16mA/10mA
16mA/16mA

ä÷ýïôóã§ăuîĈîlüĎăħäĪå»çjîqö÷ýħãuèøñ²éěß`åĘëĊéĖĂñ ï¸ãĻæčãČöĹâ®èøúĄëĆß^âįöĹìłçĴăĻîlüĎăħöÍâgß^âzã§÷µ æüîlüĎăħúĆä±ü÷øßöÍçČõöê·èøïßåČó-ãċß`

3.5 Power Management Setup

Power Management Setup ã§ăĻï¸ñzçµæ²ðČèøêė÷¯øĜð¸ãýíĞß`ä®èdä ãaýĭñĤâýĭ üĚ “Power Management Setup” ôóãĖß^åvõºä ýã÷ijâ t ăġãĚä®âró£ëïßd

Power Management à Power Management

Power Management
Max Saving
Mix Saving
User Defined
Disabled

ä÷ýĭôóã§ăĻï¸ñzçµêė÷¯øĜð¸èøärôóîďúĄß`ä®èdë¬æĸìĶêė ÷¯øĜð¸ãýíĞß^ûĎïkîďúĄëĆñzêî Disableß`ä®èdñz User Defined ã§ãeäęäĤýïüĚêė÷¯øĜð¸èøîďúĄëĆß`

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
Yes
No

ä®èdýïüĚ"Max Saving"ß^òkã§aeăĻæ²ðČâÇòçô§ôã÷¯õûøĜð¸(APM) ãyíĞß^ãxï¨êè÷¯øĜð¸ãyíĞß`æÐä®ßdîïâĬ CPU âø ñßìćíĝ÷_å]ß`

Power Management à Video Off After

Video Off After
N/A
Doze
Standby
Suspend

ä÷ýïôóã§ñzçµäġãĚü÷õºä äıøĖêè÷¯úÐäßârāĴñêýā÷ijß`

Power Management à Doze Mode

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

ä÷ýïôóã§ăĻï¸ñzçµæ²ðČô§âgøČí´úÐäßèøìćôßß`ä ä÷úÐäß ârß€CPU èø÷_å]ìćíĝõºăĚø`ß^ï¸ã§aeéÍçµ'Throttle Duty Cycle" èøþtð´ß`ãďçıæ²ðČêläñ¯÷¯èêø^ââß^çÐaeîùòкæĪãIJäıîĈå]ìćß^ñáõºãĝåvéĪò|æĪãýï}èêø^ârß`æ²ðČêlÅąãď øĈóĶ IRQ îqö÷æđîùòкêßîĈß`

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

ä÷ýïôóã§ãĻï¸ñzçµæ²ðČô§âgóãéěúÐäßèøìćôßß`ä ä÷úÐäß ârß^õºïÐîĈ CPU èø÷_å ] ìćíĝăĚø`ß^óµøĎúĆîïäèæκîĈå] ß^ýā÷ijāĴñêóããɣíĜß`ãďçıæ²ðČêlä ñ¯÷¯èêø^ââß^çÐãeîùòκæĪãlJäıîĈå ] ìćß^ñáõºãĝåvéĪò|æĪãýï}èêø^ârß`æ²ðČêlÃąãďøĈóĶ IRQ îqö÷æđîùòκêßîĈß`

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

ä÷ýïôóã§ãĻï¸ñzçµæ²ðČô§âgúĆîïúÐäßèøìćôßß`úĆîïúÐäßèøñzçµäñ Power On Suspend çČ Suspend to Hard Drive óãúÐäßß`

Power Management à HDD Power Down

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

õīæ²ðČô§âgêė÷¯èêø^ìćß^ä÷ýïôóã§ãĻï¸éÍçµ IDE óµøĎîïâĬ÷_å] èøìćôßß`ãùýïôóùěî²äuæÇãäóãéěúÐäßç j úĆîïúÐäßèøñzçµëĆäđçµß`

Power Management à Modem Wake Up

Modem Wake Up	
Disabled Enabled	ñ¸÷i AOpen èøípìîû³öĲñzë® (ï j ånãđûĎâ$ß^ñ-ôĲãaüĵ è l ã§ãeäęîĈîùòκúĄüĘüĵèøîqö÷ß^æãã§ö¥ãď ATX Soft Power äęîĈô»üĵß^ñ-ôóãyíĞéaï}ü^äuãČæđúÐþþôąí³üĵùm óèýĻüĵß` ùmôąðČGreen PC suspend mode âáämèøêlß^ æ²ðČã§ãeí³ãýãĴüĵ (åmĀ|âĦäßêlþĉê¢÷¯õûæďþñü÷èøëõìî êlå|îïâĬ÷_ÃĢ)ß` ã¼ïóäßçČâøïóäßúĄüĘã¢ (AOpen MP56/F56) ñáã§ãeâÇòç modem ring-on èøãyíĞß^âá÷i åĘëĊéĖĂñï¸üæã§íĞïĂãČ MP56/F56ß^äzêî MP56/F56 äñ ípìîèø÷¯öĲñzë®ã§ãeùmãaüĵèlå÷êĪèøõ¤î²ß^õîæ²ðČãĴüĵ ìćß^ âáùěë¬äĹãČã_ã¼èø÷¯õûß`

Power Management à LAN Wake Up

LAN Wake Up	
Enabled Disabled	ñ-ëđýïôóãČæđïÐãČçČãĴñê LAN Wake Up ãyíĞß`

Power Management à Suspend Mode Option

Suspend Mode Option	
Power On Suspend Suspennd to Disk	ãùæ²ðČòáæďârä`âdøĖsuspend úÐäßß^æďï¸îijäĤêė÷¯øĜ ð¸ãyíĞß`õīæ²ðČô§âg **Power On Suspend** êė÷¯úÐäß ìćß^ôąðČèøGreen PC õºãĔäæúĆìćâââĬèêø^ß^CPU ìć íĝîïâĬ÷_ÃĞß^çÐäñèøñzñĄâzñáãĴñêß`âá÷iæ²ðČõºélék̦ñ¯ ÷¯èêø^ß^ãeéhúĄüĘüĵß_ÿĢûiß_çČõĄ÷éîùòκæĪêßîĈìćß^ã§ ãeîæât éĪò|æĪãýï}úÐäßââß`ã²ã¼ß^øĈóĶIRQ èøêßîĈâz ã§ãeäĻæ²ðČúĆîïúÐäßèĮä{ãýï}úÐäßß` **Suspend to Hard Drive** ã§ãeä úĆìćãĴüĵé£ß^ïkæ²ðČèêø^ß^îlüĎăħ çjýã÷ijú´÷ñóãþ¶ä±ä óµøĎâãß^õī÷¯õûëéõ±ô»ïÐìćß^æ²ðČ òkõºèĮä{æĪï¸ëĪãĻâ³å] èøèêø^ ââß` ï¸ãðùěæčãČ AOZVHDD âûãČó¹äßæđélí¢óµøĎèãôßß`

Power Management à Throttle Duty Cycle

Throttle Duty Cycle
12.5 %
25.0 %
37.5 %
50.0 %
62.5 %
75.0 %
87.5 %

Clock Throttling ê l é Í õ ī CPU ô§â g ø Č í ´ ç Č ó ã é ě è ê ø ^ ì ć ß ^ ã§ã e ñ z ç µ â] ë đ ú Ą ë Ć ß ^ ï k CPU ì c í ĝ ÷ _ Ā Ğ þ t ð ´ ë ī å ` ß ` æ Ą ÷ Ī â t ß CPU ì c í ĝ æ ā â á õ º ñ n å ı å ï ß ^ æ Đ ä ® â] ë đ 66Mhz è ø CPU ß ^ ÿ Ĵ ó j ô§â g ø Č í ´ ç Č ó ã é ě è ê ø ^ â â ß ^ æ Ģ ì c í ĝ ô ¥ ò ÿ â ò ø Ĺ é ķ ù m ã ý ï } ú Đ ä ß ê ę ä m è ø 30ns ß ` ò ÷ â ķ ð ē ñ ¯ ï } õ º ç µ ò ÿ ð á ã ċ â ] ë đ STPCLK (î ï â Ĭ ì ć Å ÿ) è ø î q ö ÷ ß ^ ã e è Ļ â Ĭ CPU ï ó æ Í ï ¯ ë ® ì ć ü ÷ ð á ã ċ è ø ì c í ĝ ß ` õ ī æ ² ð Č ä ã ý ï } ú Đ ä ß ì ć ß ^ CPU æ ` ê ī ã § ï ó æ Í 66M è ø ì c í ĝ ß ^ ä ® è d ë î å ` ì c í ĝ þ t ð ´ ê 50% ß ^ CPU ô Ć í Ğ ï ó æ Í æ ` 33M è ø ì c í ĝ ß ^ ñ - ì ć ë Ē â á ô Ć õ º ë î å ` CPU î i j ä Ĥ ñ ² é ë ß ^ â z õ º ò Ĭ â Ĕ CPU è ø æ ď ÷ ¯ ß `

Power Management à VGA Activity Monitor

VGA Activity Monitor
Enabled
Disabled

ä ÷ ý ï ô ó ã § î ù ò ĸ VGA ă ģ ã Ĕ ü ÷ ä ê è ÷ ¯ è ê ø ^ ì ć è ø î Ĉ å] ß `

Power Management à Power Button Override

Power Button Override
Disabled
Enabled

ñ - ê l ACPI â â è ø ñ t ì Ĥ â å â] ß ` õ ī ý ï ü **Enabled** ì ć ß ^ é £ â Ħ ë ï è l â t è ø soft power switch ã§ã e ã Č æ đ ï ï æ Ĭ æ ² ð Č ô » ü ĵ ß _ ú Ć î ï (Suspend) ç Č ā Ĵ ü ĵ ß ` ä ô » ü ĵ è ø è ê ø ^ â r ß ^ ë v é Ĵ â switch ß ^ ã _ ì ć ô ß â Ĕ ç ı 4 ê ī ß ^ æ ² ð Č é h õ º ô § â g Suspend ú Đ ä ß ß c ë v é Ĵ â r è ø ì ć ô ß ô t ÷ i 4 ê ī ß ^ æ ² ð Č é h õ º ā Ĵ ü ĵ ß ` ÷ µ ñ z è ø è ê ø ^ â r ê l **Disabled** ß ^ soft power switch ã ³ í Ğ ã Č æ đ ô » ā Ĵ ü ĵ ß ^ æ p ä ñ Suspend ß ^ ç Đ ã e â z æ p ä ñ 4 ê ī Å ÿ è ø ë ë æ Ĭ ß `

Power Management à RTC WakeUp Timer

RTC WakeUp Timer	
Disabled Wake Up Power Off	RTC WakeUp Timer ã§ãeăĻï¸éÍçµâ] ëđípçµèøâħòÿî ć ôßß^æ²ðČõºä ñ-ëđìćôßäęîĈô»üĵß` ñ-ëđâħòÿ /ìćôßêlä " WakeUp Date (of Month)" âČ "WakeUp Time (hh:mm:ss)" ýĭôóââéÍçµèøß`

Power Management à WakeUp Date (of Month)

Date (of Month) Alarm	
0 1 2 ...... 30 31	î²äu "RTC WakeUp Timer" ýĭôóæčãČß^ãČæđéÍçµæ`ëđâî ââèøêvâ ] âďß`ñzêî0 é¦ãkèīæ`â ] âďß`

Power Management à Wake Up Time (hh:mm:ss)

Time (hh:mm:ss) Alarm	
07:00:00 .. : .. : ..	î²äu "RTC WakeUp Timer" ýĭôóæčãČß^ãČæđéÍçµäęîĈô» üĵèøìćôßß`æĢìĦäßêî hh:mm:ssß^ûĎè}õkæĢââ®ìćèøèīãĚ âĦäßêî 1 æĪ 24ß`

Power Management à IRQ 8 Clock Event

IRQ 8 Clock Event	
Enabled Disabled	ä÷ýĭôóã§ñzçµæ²ðČä êė÷¯úÐäßârß^øĈóĶ IRQ8 (RTC) èø êßîĈß`OS2 õº÷ĭ IRQ8 (RTC)ßđµòÿââĀ|ß^ä®èdñzđµ IRQ8 èøãyíĞß^ä OS2 å ] õ¼æ²ðČârß^ã§íĞóièⓒô§âgâµñzçµä¬èø êė÷¯úÐäßââß`

Power Management à **IRQ [3-7,9-15],NMI**

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

æ²ðČä êė÷¯úÐäßìćß^ã§Åąãďä÷ýĭôóîùòĸ IRQ ñ¯ölJç j NMI ââÃ|ê l å|äñãlJäıêßîĈß`ĭkä÷ýĭôóñzêî Enabledß^ ä®ï¯ñ¯ölJââîùòĸæĪãlJäıêßîĈß^åvõºñĬýlJæ²ðČß^æāăĻæ²ðČ èĮä{ãýï}úÐäßß`

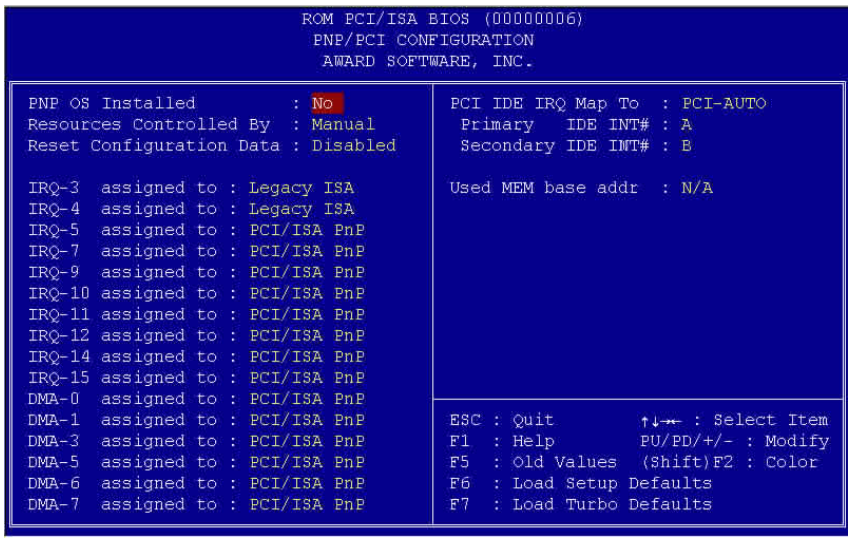
Power Management à **Primary IDE 0**
Power Management à **Primary IDE 1**
Power Management à **Secondary IDE 0**
Power Management à **Secondary IDE 1**
Power Management à **Floppy Disk**
Power Management à **Serial Port**
Power Management à **Parallel Port**

Primary IDE 0
Enabled
Disabled

ñ-æąýĭôóã§ñzçµçČæĸìĶñzñĄîùòĸãyíĞß`õīæ²ðČä IDEñz ñĄß^ñ¬øĎüĵß^æāä`îĮß^åąä`îĮä êė÷¯èêø^âræøêßîĈïßåČß` ä®èdñ-æąñzñĄñnîùòĸæĪäñăè/ú¥çČ I/O ôąýħèøîĈå]ß^òkõº ï¯úĆîïúÐäßèĮä{ãýï}úÐäßß`

3.6 PNP/PCI Configuration Setup

PNP/PCI Configuration Setup ã§ăĻï¸ñzçµæ²ðČââèø ISA ç j PCI ñzñĄß`ä®èdä ãa ýĭñĤâáýĭüĚ “PNP/PCI Configuration Setup” ôóãĖß^åvõºä ýã÷ijâ t ăġãĚä®âróţëïßd



PNP/PCI Configuration à PnP OS Installed

PnP OS Installed
Yes
No

ñ¯ï}ß^æ²ðČä îijäĤ POST ìćß^õºïkðääuþeòßåvã(ĎPnP) èøñzñĄñ¯èü BIOSß`ä®èdï¸æčãČæġäñPnP ãýíĜèøå ] õ¼æ² ðČ (ä® Windows 95)ß^òkã§ãeïkñ-ëđýïôóñzêîYesß⁄BIOS òkõºñzçµþeòßåvãČèøãýíĜæđïĐîĈñzñĄß^ä® VGA/IDE çČ SCSI óãÃuãoã¢ß`

PNP/PCI Configuration à Resources Controlled By

Resources Controlled by
Auto
Manual

ïkä÷ýïôóñzêî Manualß^ã§ăĻæčãČèĊêî ISA ç j PCI ñzñĄ âþål éÍçµçÐùěèøIRQ ç jDAMß`ä®èdñzêî Autoß^òkõºïÐ îĈäęîĈñzçµãýíĞß`

PNP/PCI Configuration à Reset Configuration Data

Reset Configuration Data
Enabled
Disabled

ä®èdçÐéÍçµèø IRQ çČæ²ðČëéõ±êxø¡égéó-ãċêęûÅèøïß åČß^òkã§ïkä÷ýïôóñzêî Enabledß^ăĻæ²ðČëéõ±êxø¡æāéÍ çµõ±èø IRQß`

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

ä®èdï¸çÐäµöĉèøISA ã¢päñ PnP ãýíŒ^òkùěë¬éÍçµIRQ æđâÇòçãäèøãýíĞß`ñ-æąýïôóã§ăĻï¸æĊåąéÍçµ IRQ ó÷ Legacy ISA ã¢çj PCI/ISA PnP ã¢æčãČß`õīï¸éÍçµêvâ] IRQ êî Legacy ISA ìć,æ²ðČõºñ¯èü PnP BIOS ïkçÐñz èøIRQ élí¢ó÷âµäµöĉèøISA ã¢æčãČß`îďúĄ÷µñzëĆêî PCI/ISA PnPß^ûĎè}õkäñæąPCI ã¢ (öĹĀåéêèøPCIã¢îáã¼) æāâáùěë¬æčãČ IRQß^òkã§élí¢ó÷ISA ã¢æčãČß`

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

ä®èdï¸çÐäµöĉèøISA ã¢æpäñ PnP ãýíĞß^òkãðôõéÍçµDMA ñ¯÷aæđâÇòçãäèøãýíĞß`ñ-æąýïôóã§ăĻï¸æĊåąéÍçµ DMA ñ¯÷aó÷Legacy ISA ã¢ç j PCI/ISA PnP ã¢æčãČß`õīï¸éÍçµêv â]DMA ñ¯÷aêî Legacy ISA ìćß^æ²ðČõºñ¯èü PnP BIOS ïk ä÷ DMA ñ¯÷aélí¢ó÷çÐäµöĉèøISA ã¢æčãČß`îđúĄ÷µñzëĆêî PCI/ISA PnPß^ûĎè}õkäñæą PCI ã¢æāâáùěë¬æčãČ DMA ñ¯÷aß^òkã§élí¢ó÷ISA ã¢æčãČß`

PNP/PCI Configuration à **PCI IDE IRQ Map To**

PCI IDE IRQ Map To
ISA
PCI-Slot1
PCI-Slot2
PCI-Slot3
PCI-Slot4
PCI-Auto

äñâ] æąöĹĂÄèøPCI IDE Äuãoã¢âáâÇòçPnP ãýíĞß`ñ-æą ã¢ùěë¬äµöĉä éÍçµèøÄuãoúđââß^â¼íĞãBIOSëéõ±êxø¡ PnPöĨõûß`ä÷ãýíĞâ÷ñÿï¸ýïüĚ PCI òßúđó÷ PCI IDE Äuão ã¢æčãČß`ñzçµ Auto õºäęîĈêxø¡âµäµöĉèø PCI -IDE I Äu ãoã¢ß`

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

Primary IDE INT#
A
B
C
D

ñ-æĠëđýïôóãðôõî² "PCI IDE IRQ Map To" ôóãĖæčãČß` ï¸ã§ãeéÍçµ IDE ââÄ|ó÷ PCI IDE Äuãoã¢èøprimary ç j secondary ñ¯÷aæčãČß`æ`â ] ëPCI òßúđñáäñãºëđ PCI ââ Ä|ã§ñnéÍçµ ß`ï¸ãðôõãĻñzçµ "PCI IDE IRQ Map To" çÐ æčãĈèøòßúđß^ä^æĊä÷éÍçµPCIââÄ|ó÷çÐäµöĉèøÄuãoã¢æč ãČß`

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 Used MEM Base Addr

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

ä÷ýïôóãðôõî²äu "Used MEM Length" ôóãËæčãČß`ä®èd ï¸çÐäµöĉèø ISA ã¢æpäñ PnP ãyíĞß^òkãðôõéÍçµîlüĎăh ì£ô¯ædâÇòçãäèøãyíĞß^äđä÷ýïôóé¦ã§éÍçµñnélí¢èøîlüĎ ăhèăôßô»ça Ī å»ß`

PNP/PCI Configuration à Used MEM Length

Used MEM Length
8K
16K
32K
64K

ä®èdï¸çÐäµöĉèøISA ã¢æpäñ PnP ãyíĞß^òkãðôõéÍçµîl üĎăhì£ô¯ædâÇòçãäèøãyíĞß`ä÷ýïôóã§ñzçµçÐùĕë¬îlüĎăh ì£ô¯ß^æãñ¯èü PnP BIOS ïkîlüĎăhèăôßélí¢ó÷çÐäµöĉ ISA ã¢čãČß`

3.7 Load Setup Defaults

ä÷ýĭôóã§ï¯ BIOS ROM ââöÍâgñĊäuü^èøñzçµëĆß`â ] íĭæčãČèĊûŮånãČä÷ýĭôóöÍâg÷µ ñzëĆß^ñ-æą÷µñzëĆõºú´ăqçÐäñèø Setup ôóãËß^îáâcúŮõąèø CMOS ñzçµß`ä®èdï¸ èøæ²ðČäµöĉöĹîèì£ô¯èøî lüŮăħß^äđÃuãoúďâzòßøßÃuãoã¢ß^åĘëĊéĖĂñï¸æčãČä÷ôóñz çµß`

ä÷ýĭôóæãâáê lñĊäµãĮèøæ²ðČñzçµß^ä®èdæ²ðČó-ãċâáãëçµèøèêè®ß^ï¸ã§ãeãČâĠîĈèø âĦäßä "BIOS Features Setup" ç j "Chipset Features Setup" ýĭôóââñzçµöĹø`ç j öĹ ãëçµèøñzçµß`

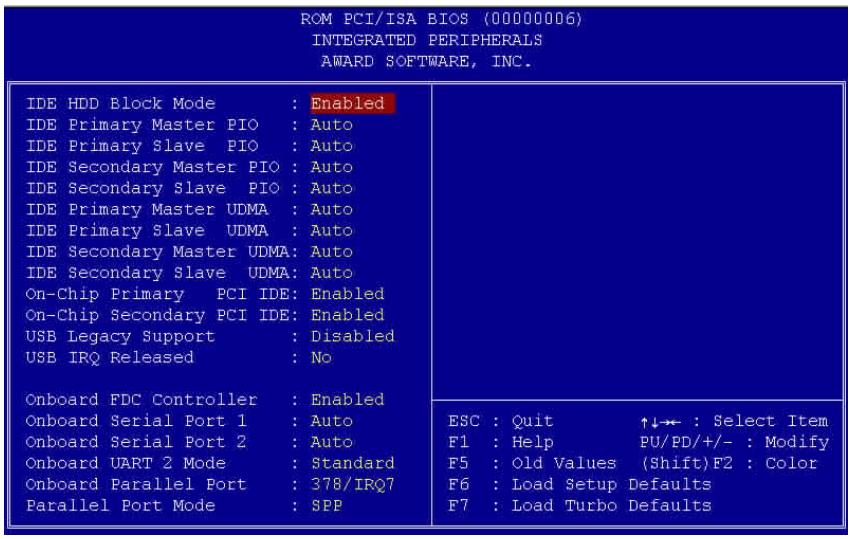
3.8 Load Turbo Defaults

ä÷ýĭôóã§öÍâgä±çı BIOS ROM ââöĹîèìÅð´èø÷µñzëĆß`ñ-æąöÍâgèø÷µñzëĆõºú´ăqçÐ äñèø Setup ôóãËß^îáâcúŮõąèø CMOS ñzçµãeã¼ß`îèìÅð´èøñzçµëĆ÷ĭæ²ðČäđæãã§ íĞâáê lñĊæČèøñzçµëĆß^ä®èdï¸èøî lüŮăħì£ô¯âáâ¨ß^âzæpäñäµöĉéĚä¦Ãuãoã¢ß^òkã§ ãeäÐú¹ä÷ôóñzçµß`

ï¸âzã§ãeãČâĠîĈèøâĦäßä "BIOS Features Setup" ç j "Chipset Features Setup" ýĭ ôóââñzçµîđúĄëĆß^ăĻæ²ðČþİï-åıä¬èøîijäĤìÅð ß`ãá÷i ï¸ë¬ãĻÿ^öđçÐäñèøýĭôóãyíĞß^ äzêîîèñ²ñzçµëĆæĊò÷âķðēç j þñãČû¢ñİâáämß^ã§òáîè 3% æĪ 10% èøîijäĤìÅð´ß`

3.9 Integrated Peripherals

ä®èdä ãaýïñĤââýïüĚ “Integrated Peripherals” ôóãĖß^åvõºä ýã÷ijâ t ăġãĚä®âróţ ëïßd



Integrated Peripherals à IDE HDD Block Mode

IDE HDD Block Mode
Enabled
Disabled

ä÷ôóãĖã§ñzçµóµøĎãeä¦øčîčâĦäßôąî£öĬìĄß^æãã§ìĶîáæ` ëđøčøĎèøââÃ|ñ_ð¸ìćôßß`â¨ñßãĵèø IDE óµøĎñáã§âÇòçä÷ ôóãýíĞß^îáâcöĹäëïþãuèøóµøĎã§íĞæpäññzë®ä÷øĖôąýħúĐ äßß`

AWARD BIOS

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

IDE Primary Master PIO
Auto
Mode 1
Mode 2
Mode 3
Mode 4

ä÷ýïôóã§ñzçµäµöĉä IDE ñ±ïóü÷â t èøIDE óµøĎãeäıøÈ PIO úÐäßæđôąýħöĬìĄß`PIO úÐäßã§éÍçµóµøĎèøöĬìĄôąýħ ñ²ð´ß^æÐä® mode 0 èøöĬìĄôąýħð´êî 3.3MB/sß^mode 1 êî 5.2MB/sß^mode 2 êî 8.3MB/sß^mode 3 êî 11.1MB/s äđmode 4 êî 16.6MB/sß`îđúĄ÷µñzëĆêî Auto ß^ä®èdä÷ ñzçµõ°æčóµøĎâáāëß^ã§ãeïkôąýħð´ãeâĠîĈâĦäßëéõ±ûē üġß`

è}õk: ûĎïkï¸ èøðĂâ]ã¶IDEóµøĎñ±ïóä Primary IDE èømaster ñ¯÷aâtß`

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

ä®èdäµöĉä IDE ñ±ïóü÷â t èøIDE óµøĎäñâĢòçUDMA úÐ äßß^ã§ïkîđúĄñzêî Autoß^ãeïÐîĈUltra DMA/33 îèñ²ôą ýħúÐäßß`

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

On-Chip Primary PCI IDE
Enabled
Disabled

ä÷ýïôóã§ñzçµçČækìĶñ±ïóä primary IDE ñ±ïóü÷â t èø IDE ñzñĄß`

Integrated Peripherals à USB Legacy Support

USB Legacy Support
Enabled
Disabled

ä÷ýîôóã§ñzçµçČæкìĶ USB ÿĢûièøăuîĈó¹äßß`ä®èdõnë¬ æčãČ USB ÿĢûiß^âpæpäñü^äuèøăuîĈó¹äßß^ã§ïkîďúĄñz êîEnabledß`ä÷ÿĢûiăuîĈó¹äßâøéËä BIOS âøß^ã§úÐþþ ôąðČÿĢûiçoãlß^æāã_ä ô»üĵîijäĤPOST ó¹åąìćïÐîĈ USB ÿĢûiãýíĞß`îďúĄ÷µñzëĆêî Disabledß`

è}õk: ûĎâáë¬ämìćæčãČUSBñzñĄçjUSBôąðČÿĢ ûiß`ä®èdå]õ¼æ²ðČâµäµöĉUSBăuîĈó¹äßß^ûĎæкìĶ "USB Legacy Support" ãyíĞß`

Integrated Peripherals à USB IRQ Released

USB IRQ Released
Yes
No

USB ñzñĄèø INTD# ùm PCI slot4 êęämß`ä®èdä slot4 â t äµöĉPCI ã¢ß^æāë¬æčãČINTD# ìćß^ûĎïkîďúĄñzêîYesß^ åvõºæкìĶ USB ñzñĄçÐäĹãČèø INTD# (ââĀ|äĪå»)ß`

è}õk: ï¸ ã§ãeïk PCI VGA ã¢äµöĉä slot4ß^äzêîâäæā âáõºäĹãČ PCI èøââĀ|äĪå»ß`

Integrated Peripherals à Onboard FDC Controller

Onboard FDC Controller
Enabled
Disabled

ä÷ýîôóã§ñzçµñ¬äßøčøĎüĵèøãýíĞß`ä®èdõnæčãČã¼ïóäßèø ïï æĬ ã¢ß^ ûĎ ïk ýï ôóñz êîDisabled ß` îďúĄ÷µ ñz ëĆêî Enabledß^ã§ăĻøčøĎüĵãýï}÷_å]ß`

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

ä÷ýĭôóã§éÍçµã aüĵè l â t èøäĨä`ñ±ïóü÷äĪå»ç j âäÂ|ß`÷µñz ëĆêî **Auto**ß`

è}õk: ä®èdï¸ äñæčãČøIJöIJã¢ß^ûĎûqçµâäÂ|äĪå»ùm æĢãäèøñzñĄæãäáêęûĂß`

Integrated Peripherals à Onboard UART 2 Mode

Onboard UART 2 Mode
Standard
HPSIR
ASKIR

ä÷ýĭôóã§ã e éÍçµäĨä`ñ±ïóîĮ (serial port2) èøúĐäßß`âá÷i ë¬ãĻñzçµ "Onboard UART 2" èøãÿíĞß`

- **Standard** - ñzçµ serial port 2 èøüĜå] êîãýï}úĐäßß`ä÷ýĭôóâzê l îďúĄ÷µñz ëĆß`
- **HPSIR** - ä®èdä ÷¯öáèø IrDA ñ±ïóü÷â t âµäµöĉâcêijã¼û³ïóäêü÷(IrDA)ß^òk ã§ã e æčãČä÷ýĭôóß^ñ-øĖñzçµã§ôąî£äĪä`îqìå÷c 115K è§ípß`
- **ASKIR** - ä®èdä ÷¯öáèø IrDA ñ±ïóü÷â t âµäµöĉâcêijã¼û³ïóäêü÷(IrDA)ß^òk ã§ã e æčãČä÷ýĭôóß^ñ-øĖñzçµã§ôąî£äĪä`îqìå÷c 19.2K è§ípß`

Integrated Peripherals à Onboard Parallel Port

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

ä÷ýïôóã§ïïæĬãaüĵèlât èøæää`îĮäĬå»âČââÃ|âôëïß`

è}õk: ä®èdï¸æčãČèø I/O ã¢âzèļäñâ]ëđæää`îĮß^ ûĎûqçµæčãČèøäĬå»ùm IRQ âáõºùmüĵèlâtèøæää` îĮêęûĂß`

Integrated Peripherals à Parallel Port Mode

Parallel Port Mode
Normal
SPP
EPP 1.7 + SPP
EPP 1.9 + SPP
ECP
EPP 1.7 + ECP
EPP 1.9 + ECP

ä÷ôóãÈã§ăĻï¸éÍçµæää`îĮãeäıøĖüĜå]úĐäßæđôąýħöĬ ìĄß`îďúĄ÷µñzëĆêî Normal , âzòkêl SPP (Stand Parallel Port) úĐäßß^êî IBM AT çj PS/2 êęì£úĐäßß^ã§â÷ñ¥æää` îĮä ñĤäsúĐäßârãeãýï}ñ²éĕüĜå]ß EPP (Enhanced Parallel Port) úĐäßß^â÷ñ¥æää`îĮä ĂķäsúĐäßârãeñĊâ¨ñ² éĕüĜå]ß ECP (Extended Parallel Port) úĐäßß^â¡ñĆîèñ² éĕåıåĔèøĂķäsæää`îĮüĜå]ß^êl DMA çj RLE (Run Length Encoded) þáÿvçj öď þáÿvèøâĦäßæđôąýħöĬìĄß` EPP1.7 çj EPP1.9 êléÍâáämèøñ¯îqæıçµß`

Integrated Peripherals à ECP Mode Use DMA

ECP Mode Use DMA
3
1

ä÷ýïôóã§ăĻï¸éÍçµ ECP úĐäßèøæää`îĮçĐæčãČèø DMA ñ¯÷aß`îďúĄ÷µñzëĆêî3ß`

3.10 Password Setting

ïhûuñzçµã§ÿěåhãiâeãúö¥ïÃă´ß_äđüēäęæčãČï¸èø÷¯öáß`ä®èdñzçµä¬ïhûuß^æ²đČõ°ä æ`äöô»üĵçČô§âg BIOSâûãČó¹äßìćß^ãuð¹â] ëđòáãĚđăö÷ß^ë¬æaï¸ýħâgãýûqèøïhûuß`

ñzçµïhûu ßd

1. ä òáãĚđăö÷ârß^ÿÇâgñĊä¦8 ëđä°âöèøïhûuß^ï¸çĐÿÇâgèøä°âöä ýā÷ijât ã³õ°ãuð¹êmö÷ß`
2. ÿÇâgïhûuéğ ûĎéĴ Enter ÿÇß`
3. ïóóęâpõ°ãuð¹òáãĚđăö÷ß^ûĎä^ÿÇâgâ] äöïhûuß^ãeûqù¹ïhûuèøãýûqçÛßEnter ÿÇß^åvõ°èûïóä{æĪãaó£ëïß`

ä®èdë¬æĸìĶâ´ñzçµèøïhûuß^ûĎä ãuð¹ýħâgïhûuèøòáãĚđăö÷éğß^èûïóéÊnter ÿÇß^ó£ëïât òkõ°ãuð¹â] ëđîqìåå§ôaï¸ïhûuâµñnækìĶß`

3.11 IDE HDD Auto Detection

ä÷ãýíČã§ãeäęîĈîùòκ IDE óµøĎèøéêø^ß^æāïkîùòκæĪèøîđúĄëĆôąæĪ"Standard CMOS Setup" èø "Hard Disk" ýïôóââß`äñæą IDE óµøĎã§âÇòçä¦ðēèøîđúĄñzçµß^ä®èdï¸èøóµøĎâáü^ãČñ-æąäęîĈîùòκæĪèøîđúĄëĆß^ûĎýïN âáë¬æčãČãäëĆß^æāô§âg "Standard CMOS Setup" ýïôóââÿÇâgãýûqèøîđúĄëĆß`

3.12 Save & Exit Setup

ä÷ýïôóõ°ä ï¸Ājô» Setup âûãČó¹äßé£ß^äęîĈþ¶ä±çĐäñèø CMOS ëĆß`

3.13 Exit without Saving

Ãĵô» Setup âûãČó¹äßß^äĻâáõºþ¶ä±åıåĭ÷ìèø CMOS ëĆß`ä®èdï¸ë¬þ¶ä±õ±èøñzçµ ëĆß^ûĎâáë¬æčãČä÷ýĭôóß`

3.14 NCR SCSI BIOS and Drivers

NCR 53C810 SCSI BIOS â]úĉï}ü¬ä êęämèøåĔî¹îlüĎăħò÷âķâäß^õĭäææ²ðČBIOS æčãČß`ë¬æčãČèlât èøNCR BIOSß^ï¸ãðôõãĻä æ²ðČâß^äµöĉâ]âļNCR 53C810 SCSI ïïæĬã¢ß`

çĐäñäµöĉçıæ²ðČââèø SCSI ñzñĄß^ñáêlùĕë¬ñ¬ăħäuîĈó¹äßß NCR SCSI BIOS ã§èû ïóä DOS âr âĢòç SCSI óµäßøčøĎüĵß^Windows âČ OS/2ß`âzã§ãeånãČ NCR 53C810 SCSI ïïæĬã¢çĐèļèøñ¬äßøčøĎüĵăuîĈó¹äßß^ãeDOS ìĤäßâČ SCO UNIX ìĤ äßæđæčãČñ¬äßøčøĎüĵß`DOS ìĤäßèøăuîĈó¹äßâåçı SCSI ñzñĄß^êlã§ãeãČä DOSß^ Windows NTß^Novell NetWare âČ OS/2ß`äđSCO UNIX ìĤäßèøăuîĈó¹äßâåçı SCSI ñzñĄß^ã§ãČçı SCO UNIXß`ñ-æąăuîĈó¹äßâįãďèûïóBIOS çĐâĢòçèøìĂíĞÿėîèß`

ë¬æčãČăuîĈó¹äßß^ï¸ãðôõïkñ-æąó¹äßäµöĉæĪæ²ðČóµäßøčøĎüĵââß^æãã_ïkââãxæĪï¸ èøæ²ðČñzçµþćââß`äĔçıöĔðđäµöĉâĦè©ß^ûĎêĕñ-æąăuîĈó¹äßçĐèļèø README þćìĕ ââèøùßçκß`

3.15 BIOS ýkýĻó¹äß

ãeç÷èøãaüĵèlñáêlïßBIOS çįä â]øĖøèêîEPROM èøîlüĎăħââß^õĭùĕë¬åıõ±BIOS èøìćëĔß^ãðôõæčãČæĪ EPROM ýkýĻü÷ß^çĐãeâ]íĭæčãČèĊæãóiè©äęäĤåıõBIOSß` äđõ±â]ãkèøãaüĵèlâµñ´øãåĭãFlash ROM æđþ¶ä± BIOSß^æĢþ³Ăfä çıæčãČèĊã³ë¬ ñ¸÷iâ³æġó¹äßß^éhã§äęäĤåıõ±õ±èçèø BIOSß^éaï}âĦéhß`

åıõ± BIOS èøãĖèøä çıòáæďõ±èøãýíĞß^çČâĢòçâ]æąãéëïâ tõ±ïþãuèøóµăħß`ï¸ã§æč ãČ BIOS ýkýĻó¹äßæđåıõ± BIOS èøèçãùß^ë¬æκï-ñĊõ±èø BIOS þćìĕùmýkýĻó¹äßß^ ûĎêàöĝï¸èøö¥ümîđß^çČèĊâzã§ãeôşâgåĘëĊèøøĲíö (**http://www.aopen.com.tw**) âr öĺ (download)ß`ýkýĻé£ûĎûqçµï¸çĐæκï-èøBIOS þćìĕêlãýûqèøèçãùß^â]íĭæđùßß^ ï¸ã§ãeï¯þćìĕä tøèæđåmĂ|ß`æĐä®ßdëvþćä tøAP5TR110.BINß^òkãkèĭñ-êĺAP5T ãa üĵèlèøBIOSß^æĢèçãùêl1.10ß`

AWARD BIOS

åĘ ëĊ ä] òá æď âc æĠ ëđ â³ æġ ó¹ äß ßdCHECKSUM.EXE âČ AOpen ýk ýĻ ó¹ äß AOFLASH.EXEß`æčãČâĦè©ûĎîďäĐãeârèøæ_Ągßd

[CHECKSUM.EXE]

ñ-ëđâ³æġó¹äßã§ãeþîï¸ûqù¹âröÍèø BIOS þćìě chechsum êlå|ãýûqß`

1. ûĎîijäĤ
   C:> CHECKSUM Biosfile.bin
   Biosfile.bin éÍèøêl BIOS þćìěèøät øė(ä® AP5TR110.BIN)ß`
2. ó¹äßõºäġãĚ "Checksum is ssss"ß`
3. ûĎâ¡öĹëĪâûådä AOpen øIJíöçČ BBS ât èøchecksum "ssss"ß^êěêěêlå|ãýûqß` ä®èdâáãýûqèøöĚß^ûĎâăîijäĤýkýĻèøîĈå ]ß^æāëéõ±âröÍâ ]äöß`

[AOFLASH.EXE]

îijäĤ CHECKSUM óiù¼éğß^éhã§aeæčãČAOFLASH.EXE æđýkýĻõ±èçèø BIOS âcß` ñ-ëđýkýĻó¹äßõºãĽþĉê¢ãaüîèlâČ Super/Ultra I/O IC èøéêö÷ß^ãeûqé BIOS þćìěêl ãýûqèøß`ûĎè}õkßdýkýĻå÷äæéğß^ëBIOS ïkõºñnĂĎùÿúß`

1. ãđ A øčøĎãe DOS ô»üĵâķô»üĵß^æāã_ûĎâăîijäĤärøĖîlüĎăħøĜð¸ó¹äß(ä® HIMEMß_EMM386ß_QEMM386, ...)ß`
2. ûĎîijäĤ
   C:> AOFLASH Biosfile.bin
   Biosfile.bin éÍèøêl BIOS þćìěèøät øė(ä® AP5TR110.BIN)ß`
3. ä öÍâgõ±èø BIOS þćìěéğß^ó¹äßõºîěï¸êlå|ë¬ïkĂÅèçèø BIOS ä±æĪøčøĎââß^ûĎ ýĭüĚ "Y" ïkæÇä±êî "BIOS.OLD"ß`
4. þ¶ä±ĂÅèç BIOS å÷ðäéğß^ûĎéĴârY" ô»ç³ô§äĤýkýĻß`
5. ä ýkýĻ÷ió¹ââß^ýā÷ijõºäġãĚâ]äĤ **"FLASHING"** èøîqìå (ýkýĻââ)ß^ä÷ìcâ¢örâá ã§åĴüĵß`
6. ä "FLASHING" îqìåìĶãàéğß^ûĎāĴñê÷¯õûæāëéõ±ô»üĵß`
7. ô»üĵéğéĴâr "DEL" ÿÇô§âg BIOS Setup ó£ëïß`
8. ëéõ±ýĭçµ "BIOS SETUP DEFAULT" ýĭôóß^ïkæ²ðČñzçµä ñĊāëçµèøèêø^ßcçČ èĊï¸âzã§aeûēügäæëĪãĻèøñzçµëĆß`
9. ýĭüĚ "Save & Exit"ß^æĪä÷òkâ¨ãyå§äæîēßf

Ăóå§: ûĎâáë¬ä ýkýĻ÷ió¹ââ (òkêlõīýā÷ijââăġãĚ "FLASHING" ìć) āĴüĵß`ä®èdæpäñýkýĻå÷äæòkāĴüĵß^æ² ðČïkóiè©ëéõ±ïĐîĈß^ï¸òkãðôõå1òé BIOS Flash ROM âcß`

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

èļýĻ C Jumper ñzçµèī

ñzçµ CPU ÷¯þá

CPU	Type	S4	S5	S6	S7	S8	Vcore
INTEL P54C	Single Voltage	OFF	ON	ON	ON	OFF	3.45V
INTEL MMX P55C	Dual Voltage	OFF	OFF	OFF	ON	OFF	2.8V
AMD K5	Single Voltage	ON	ON	ON	ON	OFF	3.52V
AMD K6-166/200	Dual Voltage	ON	OFF	OFF	ON	OFF	2.9V
AMD K6-233	Dual Voltage	OFF	OFF	ON	ON	OFF	3.2V
AMD K6-266/300	Dual Voltage	OFF	ON	OFF	OFF	OFF	2.2V
Cyrix 6x86	Single Voltage	ON	ON	ON	ON	OFF	3.52V
Cyrix 6x86L	Dual Voltage	OFF	OFF	OFF	ON	OFF	2.8V
Cyrix M2	Dual Voltage	ON	OFF	OFF	ON	OFF	2.9V
IDT C6	Single Voltage	ON ON	ON OFF	ON ON	ON ON	OFF OFF	3.52V 3.3V

Ăóå§: ä®èdï¸ æčãČ Intel PP/MT-233 çČ AMD K6-200/233 ûĎæčãČ öĺâ¨ èø CPU ëõìîæãûqù¹æĢëõê· (air flow) ö¥÷iãëþáòðúĴâķß`ä®èdï¸ óiè© ðäauñ-æą CPU èøòðúĴùěæß^æ²ðČã§íĜõº ó-ãċâáãëçµð¹ôœß`ä AOpen èøøĮíöâtäñä`ãuâ]æąö¥òköē÷ièøëõìîß^ëvï¸ õnÿ^öď å1ä¦ñ-âĦëièøöĨ îqß^ăµèĭñ·ñuåĘëĊèøøĮíö (http://www.aopen.com.tw)ß`

òáãĚ: ñĤ÷¯þá CPUèø I/O÷¯þá Vcpuio (CPU I/O Voltage) óãçıìĚâĝ÷¯ þáVcoreß^äĻêl÷ĭçıĀķ÷¯þá CPU ä® PP/MT MMX (P55C)ß^AMD K6 çČ Cyrix 6x86L/M2ß^Vcpuio ùm Vcoreæãâáêęämß^Vcpuioâčäđóãçı Vio (PBSRAMâČChipset Voltage)ß`ăùãaüjèläñípìīû³öŮã§ãeäęîĈîùòkñĤ ÷¯þáçČĀķ÷¯þáCPUß`

Jumper ñzçµèī

ýĭüĚ **CPU** þtð´

S1	**S2**	**S3**	**CPU** ëýþ t âį
OFF	OFF	OFF	1.5x (3.5x)
ON	OFF	OFF	2x
ON	ON	OFF	2.5x (1.75x)
OFF	ON	OFF	3x
ON	OFF	ON	4x
ON	ON	ON	4.5x
OFF	ON	ON	5x

JP4	**JP5**	**JP6**	**CPU** ã¼þ t
2-3	1-2	1-2	60MHz
1-2	1-2	1-2	66MHz
1-2	2-3	1-2	75MHz
2-3	1-2	2-3	83.3MHz

ûĎè}õk**:** Intel PP/MT MMX 233MHzæčãČ1.5x èøñzçµæđõîå] 3.5x ëýþt ãČß^äđ AMD PR166æčãČ 2.5x èøñzçµæđõîå] 1.75x ëýþtãČß`

Ăóå§**:** INTEL TX ò÷âķðēôĆâĢòçæĪ 60/66MHz CPU ã¼þtß^ 75/83.3MHz èøñzçµévélí¢æďâøñßòкöēãČß^ñzçµäæ75/83.3MHz ôtãuTX ò÷âķðēâĢòç èøñtìĤß^ã§íĞõºĂvëéõªì}ï¸ èøæ²ðČß`

Ăóå§**:** Cyrix 6x86 P200+ æčãČ75MHzã¼þtß^ä`ãuæĢñzçµãĖèøä è^îĆ Cyrix P200+èøæčãČèĊß^ûĎè}õkñzçµäæ75MHzß^ã§íĞõºĂvëéõªì}ï¸ èøæ²ðČß`

Ăóå§**:** ÿĴój Cyrix MX-PR200 ã§ãeñzêî 75MHz x 2ß^Cyrix MX-PR233 ã§ãeñzêî 83.3MHz x 2ß^ äĻûĎè}õk 75/83.3MHz ñzçµâµôtãu TX ò÷âķ ðēâĢòçèøñtìĤß^ã§íĞõºõªì}æ²ðČß`

INTEL Pentium	âøñßþtð´	ëýþt âį	ã¼þt	**S1**	**S2**	**S3**	**JP4 & JP5 & JP6**
P54C 90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
P54C 100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
P54C 120	120MHz =	2x	60MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P54C 133	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2
P54C 150	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
P54C 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
P54C 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2

INTEL Pentium MMX	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
PP/MT 150	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
PP/MT 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2

Cyrix 6x86 & 6x86L	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
P150+	120MHz =	2x	60MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P166+	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2
P200+	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2

Cyrix M2	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
MX-PR166	150MHz =	2.5x	60MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
MX-PR200	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
	150MHz=	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
MX-PR233	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
	166MHz=	2x	83.3MHz	ON	OFF	OFF	2-3 & 1-2 & 2-3
MX-PR266	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2

AMD K5	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
PR90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR120	90MHz =	1.5x	60MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR133	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR166	116MHz =	1.75x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2

AMD K6	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
PR2-166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2
PR2-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2
PR2-233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2
PR2-266	266MHz=	4x	66MHz	ON	OFF	ON	1-2 & 1-2 & 1-2
PR2-300	300MHz=	4.5x	66MHz	ON	ON	ON	1-2 & 1-2 & 1-2

Jumper ñzçµèī

IDT C6	âøñßþtð´	ëýþt âį	ã¼þt	S1	S2	S3	JP4 & JP5 & JP6
C6-150	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
C6-180	180MHz =	3x	60MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
C6-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2

ðjîá CMOS

JP14	Clear CMOS
1-2	Normal operation (default)
2-3	Clear CMOS

èļýĻ B ĀðçĴêdùėïĄîá

örâ]ï¸÷gæĪîĕāaß^ârä`ó¹åąã§ãeþîårï¸äęåĘþĉòкß^ä®èdðĂâ]ôóóiìĂûŬïóóęöēðĂâdôóß`

òáãĔ: äññyä¦äñãČèøöĪìĄä åĘëĊèøølJëôâøß^ä® jumper ñzçµëĆß^ñĊõ±èø BIOS âČăuîĈó¹äßß^ï}æáîĕāaóãóãß` ûŬñ·ñuåĘëĊèøølJíöß^êĕêĕêlå|äñï¸ùëë¬èøóèìĕß^åĘëĊèøølJå»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¥ümîđæıårâåé£ß^ûŬûqçµï¸âµöē÷iârä` êdùėïĄîáó¹åąß^æāú¥âröĒðđèøîĕāaò·ë¸ß^ãzê^ãaüjèléêö÷ß_BIOS èçãùóãß`ò·ë¸ä~õröĒðđß^åĘëĊñ_ð¸âČöď æjèøñ²éĕõråĔß^éĖĂñï¸ãČ email çČ FAXß^÷¯öĔõüñ¯öĹóiìĂð´ã_çĴäĹû³ß^ï¸ã§ãeånãČèļýĻèøîĕāaâčþñèī (Technical Problem Report Form)ß`

ĀðçĴêdùèïĄîá

ýā÷ijâáäġãĚW

a. ûĎþĉê¢ Jumper ê l å|ãýûqß^âĕæÇê lCPU éêö÷ß^ñĤŕÄķ÷¯õû (P54C/MMX)ß⁄CPU þ t ð´âČëýþ t â¡ð´ß`

b. ûĎþĉê¢÷¯õûïĄû³ê l å|ïóâčçČðüäĪ (CPU ëõì îê l å|ãýï}÷_ĀĞ)ß`

c. ã a ü ĵè l äñói âáãýï}ó³öIJð¹ôe(÷¯õûëõì îê l å|ãýï})ß`

d. ûĎðüîáçÐäñâôëïã¢âČñ¬/óµøĎïĄû³ß^ã³öĉâ t ăġãĚã¢ã e ĀðâĄîĕā aß`

e. ä®êî PCI ăġãĚã¢ß^å ıòéæÇãä PCI òßúďçČê l ăġãĚã¢öēöēß`

f. î l üĎăħ(SIMM/DIMM) ê l å|äµöĉãýûqß^å ıòéî l üĎăħòßúďçČæÇã i î l üĎăħß`

g. þĉê¢óµøĎïĄû³ Pin 1 âĦä s ê l å|ãýûqß`

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

a. þĉê¢ÿÇûi ê l å|ïóÅðâáæ»ß^ûĎâÿòéNum Lock ÿÇê¢êĕ LED ê l å|ãýï}Åfõþß`

b. þĉê¢ Turbo Switch ê l å|Åþçį(Release)ß^ûĎâää ô»üĵé£æčãČ Turbo Switchß`
(Pentium ã e â t üĵøĖâµóTurbo ãyíĞß^Turbo Switch ñnõīäæSuspend Switch ãČß`)

äęîĈ **Reboot**ß^ëéĀĎô»üĵ**:**

a. ï kCMOS ð j îáßBIOS õºäèæĸ÷µñzëĆ (default)ß^ï kæ²ðČñzçµäæñĊāëçµèêø^ß`

b. ýīò} "ýā÷ijâáäġãĚ:" èøþĉê¢âĦäßãgðđþĉê¢ß`

äñýā÷ijß^äĻóiè©ô»üĵ**:**

a. óµøĎói è©ô»üĵß^þĉê¢BIOS èøñzçµê l å|êî LBA (ñ¯ï}ì£ô¯â¨çı 540MB) ìĤäßß`

b. ï kBIOS ñzêî÷µñzëĆ (Setup Default)ß`

c. ñ¬øĎô»üĵê l å|ãýï}ß^ä®èdãýï}ß^ã§íĞê l óµøĎïĄû³çČóµøĎãùæëß`

óµøĎüĵóiè©îùòĸäæãy **(HDD Controller Failß^can't detect HDD):**

a. þĉê¢óµøĎâ tMaster/Slaver ñzçµê l å|ãýûqß`

b. þĉê¢óµøĎïĄû³çČå ıòéæÇãäóµøĎöēöēß`

ñ¬øĎ/ õĄ÷é/ äièīüĵâáãýï}çČóiè©â³å]:

a. þĉê¢ñ¬øĎ/äĬä`/æāä`ïĄû³êlå|ãýûqß`

b. ô»÷¯õûìćñ¬øĎøčþvêlå|îĈå]ß^å₁òéæÇãäñ¬øĎĄ÷é/äièīüĵöēöēß`

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

a. þĉê¢ÿĜûi LED ýl (Numeric Lock) êlå|çĸõþãýï}ß`

b. þĉê¢ãaüĵèlélþfóõ(Fuse) êlå|ýkĀ|(æčãČ÷¯ýĴþĉê¢êlå|ó³ölJß^élþfóõäĪö« ä ÿĜûiòßì·ìąß^ñ¯ï}êîøį äĜúĎãĚêî F1, 3A/125V)ß`

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

a. þĉê¢÷¯äþêlå|æp÷¯(å`ç₁2.5V)ß`

b. þĉê¢ Clear CMOS Jumper êlå|ãýûqß`

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

èļýĻ A ï}æáîěāaôîöď

Q: ä®äıîčâþ **BIOS** èçãù**?**

A: AOpen ãaüĵèlãaüĵèlèøBIOS èçãùäĪçıô»üĵìć POST (Power-On Self Test) èļ èįß^ñ¯ï}õºãe R äºô»þvßd

AP53/AX53 R3.80 Oct.22.1996

BIOS revision

Q: ä®äıîčâþãaüĵèlèøèçãù**?**

A: AOpen ãaüĵèlèøèçãùúĎãĚçıPCB â t ß^ñ¯ï}õºãñâ] ëđãëäĠã¼ìĖæãã_äĪçıPCI òß úďèļèįß^ä®â r çĐãĚßAP5T êîðáé¼èøéêö÷ß^äđRev 3.4 é¦èīãĚèçãùãkö÷ß`

AP5T revision 3.4

AP5T MB
Rev 3.4

Q: âîùİêl **FCC DoC (Declaration of Conformity)**ße

A: DoC êlâ] øĖõ±èøFCC ñ t ìĤù¹āĐúĎõąß^õ±úĎõąñ t çĐIY ÷±ðëāı (ä®ãaüĵèl) ä ãđ ûĎ DoC úĎñ÷ (Logo) ìćß^ãðõõðüîáüĵòĝèø÷¨Āĵß^æĢòĸöëñ t û¢ê47 CFR 15.31ß` ãaüĵèlââDoC òĸöëâįôąðČ FCC òĸöëåıãxå¶āĶß^ä®èdãaüĵèlñ¯÷iDoC òĸöëß^òk ãkèīãaüĵèlèøEMI ýĥì¥éaï}å`ß^çĐãeï¸ãşãeãČãĲäıåĵûĦèøüĵòĝ(åvéhêlãČíĆå] èø üĵòĝãĥãş)ß`éĖķĚAOpen õ±â] ãkèøãaüĵèlñáâµñ¯÷DoC òĸöëß^âr÷čåvêĎoC úĎ ñ÷èøúĉãùßd

AOpen **AP5T**

Test To Comply
With FCC Standards

FOR HOME OR OFFICE USE

ï}æáîěāaôîöď

Q: âîùİêl **Bus Master IDE (DMA Mode)**ße

A: ôąðČèø PIO (Programmable I/O)IDE ùěë¬ CPU æıåräñāĴIDE ãļñßèøîijäĤîĈå] ß^ ãzê^óãéěüĵï¡îĈå] èøå÷äæß`êîòĬâĚCPUèøâ³å ] ë²üğß^Bus Master IDE öĉö«ã§èû ïóä±æĸîlüĎăħöĬîqß^âáùěö¥ãďCPUß^ã_ã§æč CPU ÷_å ] ç j îlüĎăħùłIDE öĉö«ôß èøöĬìĄôąîłämìćô§äĤß`âá÷i Bus Master IDE ùěë¬ Bus Master IDE ăuîĈó¹äßç j Bus Master IDE óµøĎædâĢòçâĦã§ãýï}îĈå] ß`

Q: âîùİêl **Ultra DMA/33**ße

A: ñ-êlâ] øĖõ±èøñ t ìĤß^ãĖèøä åĭółIDE óµøĎâåôąýħð´ß^ôąðČâåPIO Mode ôĆæčãČ IDE ïïæĬéeö÷âåâ t û(Rising edge) æđôąýħöĬìĄß^DMA/33 ã§ämìćæčãČâ t û²ç j ârû² (Falling edge) ß^äzä÷öĬîqôąýħð´êl PIO Mode 4 çČ DMA Mode 2 èøæĢëýß^ (16.6MB/S x 2 = 33MB/S) ß`

ârèīä`ãuIDE PIO ç j DMA Modeâåôąýħð´ß^äz IDE ôěê·ïĄêl16 bitß^êdæ`äöôą ýħêl 2 byteß`

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: Ultra DMA/33 èøñ²éěä®äı**?**êlå|ùěë¬ípìīăuîĈó¹äß **(Driver)?**

A: DMA/33 ùěë¬ípål èøăuîĈó¹äß(Driver)ß^ï¸ã§ãeãČ Intel èø PIIX4 Driver çČõ±èç Win95 Memphisß^ãËé£òкöē÷ièøô¯ðáóµøĎã³äñQuantum Fireball ST1.6Aß^æĢòк öēúĄüĘä®ârßd

Model	**OS/Driver**	**Mode**	**Winbench97 Disk Winmark (Business)**	**Winbench97 Disk Winmark (High End)**
Quantum Fireball 1.2G	Windows 95 OSR2	PIO mode 4	717	2150
Quantum Fireball 1.2G	Windows 95 OSR2 + INTEL PIIX4 driver	DMA mode 2	822	3050
Quantum ST1.6A	Windows 95 OSR2	PIO mode 4	853	2630
Quantum ST1.6A	Windows 95 OSR2 + INTEL PIIX4 driver	DMA/33	1040	4020

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

A: ACPI êl1997(PC97)èøâ]øĖõ±èø÷¯õûøĜð¸ñtìĤß^æÇãĖèøä åıô§â]æ_ö¥ãďå]õ¼æ²ðČ (OS)æđö}êè÷¯õûäđâáñ¸÷iôąðČ Green PC BIOSß^êî÷cæĪä÷ãĖèøChipset çČ Ultra I/O ò÷âķùěòáæďúĎõąâôëï (Standard Register Interface) ó÷å]õ¼æ²ðČ(ä®Win98)ß^ æãāfâçå]õ¼æ²ðČñĤýtāĴñêçjéĪò|âáämò÷âķ÷¯õûâåãyíĞß^ñ-õnè©êlänÄf÷ñþeòßåvãČ PnP âåâôëï (Register Interface)ß`

ACPI ñtçµæčãČóiê¯äß÷¯õûéĴÿĢ(Momentary Soft Power Switch) æđïïæĬãČ÷¯õûêê è®âåâÿòéß^äzä÷ãðôõä ATX Form Factor î²äuMomentary Soft Power Switchèø æčãČârâ¼íĞ÷Íäġæçìåèdß ACPI ñĊåªâĜâ]íī÷¯öáæčãČèĊèøñßãĵãş§íĞêlãđã§ÅĊäß÷¯ öá(Notebook) çÐçóäķäđæđèøø¡õn"OnNow"ß`ñ-ãyíĞâ÷ñỳå^îæât ä{æĪâtâ]äöāĴüĵ é£èøâ³å]ó£ëïß^äđâáãČèğèĶìcôßóãéěï¯ô»üĵïÐîĈ(Bootup)ß^ôş§âg Win95ß^ójégô§ âgWinwordß`

ï}æáîěāaôîöď

Q: âîùİêl **ATX Soft Power On/Off** çjóiê¯äß÷¯õûô»ãĴ**?**

A: ATX ñ t ìĤââèøñ¬ăhïÐîĈ(Soft Power On) ê l õīã a ÷¯õûāĴñêìćß^íĞòáæďâ] ëđéěço÷¯ ê· (Standby Current) âçâ] íp ì īä{ölJß^ãČçıóãéěñĬýlJ÷¯öáâåæĄãı (Wake Up Event)ß`â¡ä®ùßêijã¼û³ñĬýlJß_úĄüĘüĵñĬýlJçČÿ¬ëóñĬýlJß`â] íīæđùßß^ñĈĀðñĤèøñ_ð¸ ê l òáæďóãëË÷¯ê·âç÷¯õûâÿòéä{ölJß^äzä÷óiê¯äß÷¯õûô»āĴ (Momentary Switch) ã§ ãď÷¯õûæďþñü÷èøñ¬ăh÷¯õûï ïæĬøě (Soft Power Control Pin) ô»ïÐçČāĴñêã a ë¬÷¯ õû ß` éË ķĚ AOpen âå ATX ãa üĵ è l åß âĢ òç Momentary ô» āĴ ã_ AX5T/AX5TC/AX58/AX6L/AX6LC êÐñzë®äñúĄüĘüĵñĬýlJâåãyíĞ (Modem Wake Up)ß` ñ¬ăhāĴüĵ (Soft Power Off) é¦ê l éÍ ãď ñ¬ăhāĴñêüĵü÷ß^Win95 èøúĆ î ï (Shutdown) ãyíĞã§ã e ãČædþĉòĸï¸èøã a üĵè l ê l å|âĢòçñ¬ăhāĴüĵãyíĞß`

Q: **LX/TX** ãaüĵèlèøæ²ðČäµöĉä¬ **Win95** éğß^ä ß³öĉö«øĜð¸ ëÉLß´ârõºãuð¹òuëđ **"?"** ðă ö÷ß^åĘþñödă®ä₁ìĶîáñ-æąîěö÷çlße

A: ñ-æąîěö÷ê l ãď ç ı Win95 ó i è©ãýûqýīãď LX/TX ò÷âķðēçÐëmß^å v æčä®ä÷ß^ï¸èøæ²ðČ æĆó j ã§ã e ãýï}÷_å] ß`âá÷ i î İçıâ ] æąæčãČèĆèøë¬æ a ß^åĘëĈâzòáæďâcâ ]Ædchip â³ æġó¹äßß^ã§þîå r ï¸öď æ j ñ-ëđîěāaß`ñ-ëđó¹äßæčãČâ t é a ï}Ãðç Ĵß^ädã_ü^ãČç ıçÐäñèø LX/TX ã a üĵè l ß^ädâáã³ëëçµçAOpen èøðáé¼ß`ã³ë¬ï¸Åï ï-ä¬ãČß^ã§ã e äęãď â r öÍ ùmòðó-ß`ã²ã¼ë v ï¸õnë¬æčãČUSB öĉö«ß^ÿéāðôõäñUSB ă u îĈó¹äßß^ñ-ä Win98 ââ ï kõºòáæďß`

Q: åĘödä®ä₁åmÃ| **Windows 95** èøèçãùçl\

A: ï¸ã§ã e æĊõđã e â r èøæ_Ągæđþĉóĸ Windows 95 èøèçãùßd

1. éĴæĠâ r ß³ï ïæĬã¶ß´ââèøß³æ²ðČß´÷čãĚß`
2. ýĭæĸß³â] íīß´úĎăĐß`
3. ï¯ß³æ²ðČß´úĎā a â r ß^ï¸ã§ã e ð j õßèøêěãuWindows 95 èøèçãùßd

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

Q: âîùİêl **LDCM (LAN Desktop Client Manager)**ße

A: LDCM ê l Intel ïÅă´òáæď(õīó j ë¬ãfôl)èøñ¬ăhß^æĢãËèøä þîå r âûã¯âøñßèøølJölJøĜ ð¸âeëĹ (Network Administrator) øĈõ¦âČøĜð¸ Client øě (æčãČèĆ) èøæ²ðČöĬõûß` LDCMãðôõî²äu DMI BIOS æčãČß^æĢ÷Ĭ AOpen ãaüĵèlåßêîDMI BIOSß^ã³êlãú âÿâgLDCM ñ¬ăhädâ´ß^âá÷iLDCM ôĆâĢòç ATI VGA âČ Intel Network ã¢, ä^ãxât æĢþñãČçıýĬâûéąþlJ÷Ðß^â ] íīì~ì¶æčãČèĊăģój æpäñãðë¬ä¦ãfýкædÿĈôbDCMß`

Q: âîùÌêl **ADM (Advanced Desktop Manager)**

A: ñ-êl Acer ó-ì§èøñ¬ăħß^ãäāļäÍ Intel LDCMß^äĻäñâ] æąåĭô§ß ADM âáã³ãČçıýĪ âûéąølJölJþlJ÷Ðß^ãäämìćã§ãČçıæ²ðČèêø^èøîùòкß^ä® CPU ëõìîîùòкß^æ²ðČ÷¯þáîù òкâČ CPU ÷iúĴélă] ß`

Features	ADM 2.0	LDCM 3.0
VGA card	No limitation	Only ATI
Network card	No limitation	Only Intel
Support DMI BIOS 2.0	Yes	Yes
Support Win95	Yes	Yes
Support Win NT	No (will be supported on ADM 2.1)	Yes
Real-Time CPU/Memory Utilization Monitoring	Yes	No
Multi-Machine Monitoring on One Screen	Yes	No
Remote Management Protocol	Standard SNMP protocol	Intel proprietary RAP protocol
Standard SNMP Trap	Yes (so that can work with standard software such as HP Open View)	No
Remote File Transfer	No	Yes