

AX6LC

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AX6LC

AX6LC 使用手册

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ÍÓÒqÑÁÇ€

İP³QÍ011ÑÁàl

%ØİèÀİİèİhÈ %èÉdÈ çıñú»T

İP³KÍ011İŞB ÅŞ0à

İŞB ÅŞ0àÅ0ÆY Ò Èà»R;ıñİ Jumper Å^ ÈİÚj (Connector) Å0À 0~»RÅŞ0àÈ` ØèB 0÷Åq
Ñ_Å0ÅàĐİ»T

İP³eÍ011AWARD BIOS

AWARD BIOS Å0ÆY Ò Èà»RÀf Èè0àİnÅŞçàÅ0Ñ_0,,»R;Y³eÛ_Û İ' Å»Å0çèÅ|»T

Ä Û 1A11ÈqÅ¹Æ÷YUĐÈ0è

ÅéçèÈèÈq[Å Å0ÅøÍ_È÷YU»T

Ä Û 1B 1ÜİÅ ÅX0óÈàÈ½

çıñİÅ Åf È' 0èÅ^ È÷YUÅ00 Èa0aÅoĐİ»T

Ä Û 1C Jumper1İnÅŞÄ

ÅiÅİ Jumper Å0ÀTÄ »T

Óé;öÖ»Ã

¿Y%Æ Æ ¿Ö%ü¿f Èq;èÃÖÖé;öÖ»Ã »X



×èÃqÑ_
Àa%Q¿UYU%ÁÆóÝ Ö»Ã »T



ÞÍÁz
%4Ñ ØøÁQÈè»R¿zÉúØáÇaÀ^ÚZÁúÃX»T



×è%¿%ü
ÓŠ¿ ÁØ×uÈ÷ÝUÏ, ¿çÃÖ% Ä | »T



ÇÃÇÈ
Î¼Û È' ØøÁQÇÁÜZ»T



Î¼ö ö
Î¼ÈÁ%¿ ÁQÈÞÌ%ÃÖØøÁQÈÈ“ »T

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Ä Û A ÈqÂ½Ê÷ÝUÐÊÒè

Ä Û B ÛÏÃ ÆXÓóËàÊ½

Ä Û C JUMPER ÍnÃŠĂ

ÌP³QÍÓ ÑÁàl

AX6LC Æ çYPCI/ISA ÆÆtÀÔ ATX Pentium II çUØ Ä` »RÄpÄiÈpçèÄÖTÍ0% ÌiÆIntel 82440LX PCiset»RÄÖTÍ0% ÌiÆ È^ ÆPentium II CPU ÍnçfÄÖ»R³pÄiÄfÖðÍæñtÄÖÍhÈ »R ÄiÄf AGP ÖéÁeÍtÈÈ »SSDRAM»SULtra DMA/33»SBus master IDE çYç USB ÍtÈÈ È Ýç»TAX6LC ³pÄiÄ 3 È 168 pin ÄÖ DIMM (Dual in-line Memory Module) Í»Öè»Rçz ³ÖÍm3V ÄÖ EDO Ä^ SDRAM ÄÝçè»RÍæ³È` ØeB ÈvÐ,,çÖW 750MB»TÍ, Ð çUØ Ä` ³ÄÄYÄÄ ÄÍ³ÖÄð L2 cach2»RÄnÆÍ, ³SÖx;ñtÄs Pentium II CPU card (connector SLOT1) ³³ ³ÄÄTÄÖç»»RAX6LC ÄeçèÄÖÆ 2M bit Flash ROM»RÄi çYØ çÖÄiÑtÖhçmúÄÖ³pÄiÄéú³»R Ñ Í^Æ Ä çIÈvÄ ³ÄÄTÈ¹ÄÖ³Äç»»RAX6LC ÜóÄyÍa³ÄÄyÐÍç ÐzÄÖçmú»X

Ï] jumper Ínçf (Jumper-less) AX6LC Ä È ³ÄÄSß Jumper ÄÖÍnçf»RCPUÍ0,,Ü³æÜh Ì³çzYÄöÈæÈÖÍ ÄeçèÍÉB xíØy»RÄpÄiÄSçaÚ<ÄtÄs³ÄÖ-Ó,,ÄÜÄÖ EEPROM ³Ö»RÍ¹ÄeÄéçè ÄæÄ ÄyÄÖ³ Ä`»T

ÌP³Q³ ³ÄÖ-Ó,,ÄÜÄÖçUØ Ä` (Battery-less) AX6LC ÄÖ CMOS ÍnSð ÈaÚ<ÄtÄs³ÄÖ-Ó,,ÄÜ ÄÖ EEPROM ³Ö»R³ÄÄÄfÄÖ»RAX6LC ÄÖ RTC ÈaPÜx^ð (real time clock) ³Ä³ÄÖ-ÇÉÖ,, ÄÜ»RÄnÄÖ AX6LC Æ ³Q³ ÄÍÜ Ä` ÑÄÄÜÄÖçUØ Ä` »T

Ü Ð»Ð"Ø (Suspend to Hard Drive) ÖSçèÍ, ÐÍçmú»RÐ"Ø Èa³ÄÄRÖ-ÇÉÄüÄÖÖ Ä ÄÖÈaÐ» ÇÄÑtÖ ³ Win95»SOffice ÄeÄpçÄÍÉB ³ÄÄRÄiçzÄÈYÄ Ípç ç Ý Ø ³ÄÄvÄÖÄRÖ»RÄÖçyð ³ÄÄQÑ»ÄtÈ³æÜÍçèÍ'Ä»ÄÖÍÜÑe»TÄ xèÄéçè VESA ÍhÈ ÆÈvÄÖPCI VGA çu (Äf AOpen S3 PV70/PT70)»RSound Blaster ÆÈvÄÖÇÍÈpçu (Äf AOpen AW35/MP56)»RRockwell ÆÈvÄÖ Modem (AOpen F56/MP56)»R³»ÈúxeÄ` Í, ÇiçmúçÜxeÖSÁQ»T

ÖaØØ ÖÖÈÈÐ"Ø (OV Modem Wake up) ÄbçèATX Soft Power ÄÖçmú»RÄpÄièçzYÄs Ý Ø ÄÖÄRÖ³f »RØxçèÖaØØÈ ÈiÈaÄYÄoÈaÈIBçÓ,,Öö»TÍ, ÐÍçmúÄUEQØRÄi çèÄiÖi ÜÜÐaÈ^Ø ÖaÍÄÜ Ø »RÄiÍæ³ÄÖÆ È"ÄsÄ »RÈ¹³ÄÄÄeÄÖç»ÈIÄ»ÖaØØØ ³Äç»»RÈ' ÜöçzYÜ çèÖÖÈIÄ» ÖaØØçu (Internal Modem Card) Äi³pÄiÄÄÖçmú»TÄeçè AX6LC ÑvÈt MP56 ³ÖÈIÄ»ÖaØØ çu»RççÈaÈöçÖÍ]Ö-çèÄ ÝSç»ÄÖÖ,,Ñ»»T

Ö ð ÖÖÈÈÐ"Ø (LAN Wake up) ÄÍÜZÄ Ä ³ÄÄÇ'ÄÖÖaØØØ ÖÖÈÈÐ"Ø »R³ÄÖ]Í, Æ ØxçèÈeÈ Ö ð ÄiÍ Ü ÄtÈ»TÇÉÄeçèÖ ð ÖÖÈÈÐ"Ø »RÈ' çIÐÑÜ ÜaÄÍ³pÄiÄÍ, ÐÍçmúÄÖÖ ð çu»RÄYÖ- ÄSÖaØRÑ ÄÖÖ ð Ööi'ÍÉB »RÄfADM»T

ÑÀàl

ÌnÀSÀoÈàD»Ø ÈàD» (RTC Wake Up Timer) Í, Çìì ìùìzB È' ÓSì ÌŠÒ,,Àè%QÇìÈàD»»RÁT Ñ ÈàD»%QÀ »RÀËÈÀ\Ñ'ÀoÈàD»Ø »TÈ'ìzì YÈ_D»Ø ÈàD»ÌnÀSÀsÀTÇì¼ AÒËj %Q%è»RÀèÆ ÁT %èÀÒËj ÇìÈàÈ »TÀpÒ »èÀnìzÓWÀ È »T

ÀaÀSì ÌÁÁ» CPU YÇÙì»^ò ÀaÀSì ÌÁÁ»ò %QÈ AÒÀUÀaÀSì ÌÁÁ»ÁyÁÍÁ ÈÁÁÒÈÈì%TìY%Q È Ùìì èÀìÁì»RÀaÀSì ÌÁÁ»AÒ%çÁQÑBÀnÈ_ÖÑÁTÁ ÁUAaÀSÀ»»T

Ò]Ò,,HÌÀ`BQÒ,,Ò (Over Current Protection Circuit) ÀsĐaÌè 3.3V/5V/12V Baby AT Àè ATX ì ÌÁÁ»Ò,,Ñ×ÀèÚÍ00¼»RÒ]Ò,,HÌÀ`BQÆ ÀoÈqÁ'Á00,,Ò »TÓ Á OaØ Èà¼¼¼¼¼ÁÒÍ^Ò »RÓ]Ò,,HÌÀ`BQÁ0»èÀUÈqÁÍÈ»RÀ Ñì%Qì_ÞØntium II CPU Àèè¼¼¼¼¼ÁaÁ00,,Ù¼»RÁpD» Ò-ÇÈYÇÙì»00È_ÈV ÙìÌÁÁÁ CPU Èð¼¼¼,,Ù¼(ÁìÁf 2.8V)»RÇ ÁìÁ05V Ò]Ò,,HÌÀ`BQÀnÁì]Á|ìÙÈqSÁQ»TX6LC ìUØ Ì`ÀÒÀaÀSì ÌÁÁ»YÇÙì»00Íçf»RÁyÁÍCPU Èð¼¼¼,,Ù¼]Ò,,HÌÀ`BQ Á0ìùì»RÈÈÀ Ç ÁìÁ00,,Ñ×ÀèÚÍ00È_ìzì'Àèì % À Á0Í^ò Ì`BQÈù¼ »T

CPU ÓaØ ÌùÇÑÈÈ0aÈÈ AX6LC Íì'Àè%MÇÑÈÈ0aÈÈÁ0ìùì»RìzÁØ% CPU Ò]Ò »TÍ, Đ ìUØ Ì`¼¼¼ÁìÁUÇìÇÑÈÈÈÙj »R¼QÇììzì èÁCPU ÇÑÈÈ»RÁìì¼QÇìÁyìzì YÍ00 ÌùÁ0ÇÑÈÈÁèìè»T Í'Ó]¼ÁyÌ'À» (ÁìÁf Hardware Monitor Utility)»R ÁìèÀSÇÑÈÈYÈÖÈÈ»RÈ_ìzàòÈàÌ¼ì ÌÌÁ»T

CPU Ò]Ò Á`BQ AX6LC ÁyÁÍÉdÈ ÍçfÁ00]Ò Á`BQ0,,Ò »RÑ CPU ÑBÀnÈÁÁ ÓSì ÌŠÒ,,Á0 ÑBÀnÈà»RCPU Íì'ÀnÈ_ÀoÈàÇÈÁT»RÁYìSØxìèÙìzèÍèB Í, ìì ÌÌÁ»T

Áìèò,,Ù¼0aÈÈ AX6LC %nì¼è%WÓ,,Ù¼0aÈÈÁìèè»RÀSÈ' ÈìÈaÁìèÀù»RÍ, ÇìÁìèÈ_Ñ'Á Ì ÒaÈÈÁìèè%çÁQ0,,Ù¼»RÚaÀÀÆ ÁpÁìÁìèò,,Ù¼ĐHÒ]¼Qì ÖeÑaÁ0È»Àè»RÇj ÁÍÍ, ÒoÈ»Àè»RÌ_Ñ'Òxìè¼ÁyÌ'À» (ÁìÁf Hardware Monitor Utility) Ó ÀèèèÀæì, ìì ÌÌÁ»EÈÁ»T

Á00yÁ0 CPU Èð¼¼¼,,Ù¼»pÌÁÈù¼ Í, Đ ìUØ Ì`ìzìY³pÌÁ1.3V Á 3.5V Á0 CPU Èð¼¼¼,,Ù¼»RÒ ìÓÁì CPU Á0ÁQÈBÁD»È_Á ìÌÓ†Á<»T

FCC DoC Ò'Yì AX6LC ÌBÀì È È FCC DoC ÁTÌèÈxÖèÑaÕ'Yì»RÁj ÀèÀSÌ]Ø ÌùÁ0BQÁÈ ÒR¼f »R¼ÌÍ^¼¼Ñ'ĐaÈqYB »TÁYìSÀSìçì¼¼¼ ÇÈ»RÆ ÐSO-9001 Ò'Yì¼¼¼Öì»RìY×èÁ`Á× YÇÁŠ»T

È{¼¼Á0ÚììèÍèB ¼pÌÁ ÙYÁ Á0AOpen Bonus Pack CD Òæ%0Áìì¼yÈ{¼¼Á0Úììèì'À»»R ÁìÁf ADM (Advanced Desktop Manager)»SAOchip»SHardware Monitor ¼Áy»SAcePhone»SEasyAxess»SSuspend to Hard Drive ¼Áy»RìY¼èBIOS flash ¼ÁyÌ'À»»T

PCI ÇÌÈDìuÈÌÙj SB-LINK ÈÌÙj ìzìYìèÁìÍ†ÈÌ Creative ÀoÈvÁ0 PCI ÇÌÈDìu»TÁŠ0aÍ, Òo PCI ÇÌÈDìuÈÈ»RìÌĐÑìèÁ À0ÈÌÙj %Èú0èÁ'DOS Ù ÓìÁ0ÀoÈvÈ=YU»T

¼pÌÁy0ç¼Á0 BIOS Í, ĐÌÆ È"È_ÀèÈ'ÀSÌnÁŠ BIOS Ù ĐÌÈà»R¼ARAÍ0ç¼ÙoYÁ¼W»T

1.1 ÍhÈ

¿UØ Ä`ÁÄ»	ATX
¿UØ Ä`%ó%	305 mm x 202 mm
CPU	Intel Pentium II ÍSÌ´ØÓ
¿UÈ`Øeß	3V EDO Äè SDRAM»Rl 68-pin DIMM x3»RÍæ%(ÈvÞ,, ¿úW 750MB»T
ÁðÄ È`Øeß	%ØÁoÄ CPU ¿u%4r
ÎÓ% Ìì	Intel 82440LX
Ûi¿cÖè	ISA x2»SPCI x5 Òa AGP x1
À ÀTÈ	2 Çí UART 16C550 ÄèVÄØ RS-232 À ÀTÈ »R¿¿ÁÍ%Q Çí UART ¿z%þÍÄÆ ¿×`Öi Ìì
¿ÇÄ È	1 Çí¿z%þÍÄ SPP/ECP/EPP %eØoØeÑaÄÖÁYÀTÈ
Floppy %ØÇÈ	1ÇíÍ€Ä»ØeØeØ Í†ÈÏÛ¿ »R¿¿Äè¿è 720 KB»Rl .44MB Äè 2.88MB È À»ÄÓ 3.5 ÄeØeØeØ »R%¿860KB»Rl .2MB È À»ÄÓ5.25 ÄeØeØeØ »T
IDE %ØÇÈ	2 Çí IDE Channel ¿z†ÈÏ 4 Çí IDE ØaØ~ (ÍŠØeÄe CDROM)»R%þÍÄPIO mode 4»SBus master»RÄèUltra DMA/33 Ì¿ĐaÛ Öi À»»T
USB %ØÇÈ	2 Çí USB Í†ÈÏÛ¿ »RBIOS ¿¿Á¿ USB Bi ÈäÍ´À»¿¿Öi ÚÚ ĐaÍeÄØ AT Äe PS/2 Ûp×]»T
PS/2 ÑaÓÁ	%ØÁo Mini-Din PS/2 ÑaÓÁÍ†ÈÏÛ¿ »T
Ûp×] %ØÇÈ	%ØÁo Mini-Din PS/2 Ûp×] Í†ÈÏÛ¿ »T
RTC ÓaÓ,,ÀÚ	RTC À Ä Intel PIIX4 chipset %Ø»RÄè¿èCR-2032 Øj Ó,, ÀÚ»TÄfÄX%ÄeÖÖÓ,,Ñ×`»RÍ]ĐÑÄè¿eÓ,,ÀÚ»T
BIOS	AWARD Plug-and-Play, 2M bit Flash ROM BIOS»T%þ ÍÄÿÖÄ¿ÄÖÄ¿Ö»R¿¿nR%¿¿¿»T

ÑÀàl

Ú Ð»Ð"Ø (Suspend to Hard Drive)	¿èBIOS %pIÁ»RÚ<À†ÁR¿òÁvÁÔ%¿ÁQÄMÖRÀòÔéÔèØ %Ô»F %f%QÀÒÐ"Ø Èä¿úÁ ¿I¿i Ç %¿AQÏvÇÈ»TÔ»Áé¿ES A Íh È ÆÈvÁÔ PCI VGA ¿u»RSound Blaster ÆÈvÁÔÇÏÈP ¿u»T
ÖaØøØ ÖÖÈÈÐ"Ø (Modem Wake Up)	Í'Ó]ÉdÈ ÁÔ×^Ò ÍrÇf»R¿¿YÜá¿é¿•ÈIÁ»Áè%ÖÈIÁ»Öa ØøØ (Áf AOpen MP56)»RB Á†IèÀsÁÍÓ,,ÖøÐZÁíÈäAøÈä ÈIß¿»T
Ö ò ÖÖÈÈÐ"Ø (LAN Wake Up)	È†Ái Áé¿è%pIÁÍ, ÐÏ¿múÁÔÔ ò ¿uÖaÖ ÖøÍ€B (Áf ADM)»RÈ' ¿¿YÍ'Ó]ÈéÈ Ö ò Í Û Á†Iè»T
ÍnÁŠãöÈäÐ"Ø ÈäÐ» (RTC Wake Up Timer)	È' ¿¿YÍnÁŠ%QÇíÁeÁŠÁÔÈäÐ»»RB Á†IèÀsÍ, ÇiÈäÐ»Áö ÈäÐ"Ø »T
ÁaÁS¿ ÍÁÁ»YÇÚ%×^Ò	ÈÁÈPÍ%ÁaÁS¿ ÍÁÁ»YÇÚ%×^Ò (Synchronous Switching Regulator)»T
Ó]Ó,,ÆÁ`BQ	ÁyÁÍ CPU Èø%úÓ,,Ú%Ó]Ó,,ÆÁ`BQÄÔ¿mú»RÈ†Ái Ç ÁíÁÖ Ó,,Ñ×ÁeÚÍØÓ»R¿ZÍ'Áé¿ %¿ À ÁÖÍ^Ò Á`BQÉú%¿ »T
CPU Ó]Ö Á`BQ	Ñ CPU ÑBÁnÐhÓ]ÓŠÍrÇaÁÔÈaÇiÍ, ¿i ÞÍÁ»T
CPU ÇÑÈÈÖaÈÈ	Ñ CPU ÇÑÈÈYrÈÖÈáÍ, ¿i ÞÍÁ»T
Á†IèÓ,,Ú%ÖaÈÈ	Ñ Á†IèÓ,,Ú% (5V»S12V»S3.3V Öa 2.8V) %¿¿ÜÈqÈáÍ, ¿i ÞÍÁ»T
SB-LINK ÈIÚj	¿¿èÁÍ Í†ÈI Creative ÆÈvÁÔ PCI ÇÏÈP¿u»T

1.2 Ú Ð»Ð”Ø (Suspend to Hard Drive)

»^Ú Ð»Ð”Ø »%Ī_Æ Ē_çòÁvÁÔÁĪĒĒÄĤR»RĒ` ØeB ò Èà»RÙÝÓ İvÇĒÛ<À†ÁòİŠÔe%Ô»Tİ^ ÁúÁ†
İèçÁÓç Īpó„»RÑ %f%QÀØÐ”Ø Èà»RĒ` ççYÄ×ĒİĀoÁ Ç ÁıÁÔ%ÁQÄĤR»R%ÄİçWIn95
Ð”Ø ÄĪ’ »R%ÄÄÄÇÄÑ†ĒİĒĒÁÚİçèİ’ À»»T

ÀfÄXĒ` Áİ 16MB Ē` ØeB »RÁÔÔ %Äö%ÐÔ÷Ç€16MB ÔeÔeÄBD»ÁıÚ<À†ÁĪĒèĒ` ØeB »T×eÄqĪ_
Ē` çĪĐÑĒeçèŌa VESA ÍhĒ ĤĒvÁŌPCI VGA çu»RŌa Sound Blaster ĤĒvÁŌÇİĒçu%Æ
APM Drive»TĪ Ī^»RÁŌÇÄŌPİĒ` Û çèÄò ðOpen PT70 VGA»ÄW35 (ÇİĒçu) Ōa MP56
(ŌaŌŌ +ÇİĒçu) çY×eÄ` İaĒeÄŌĤĒvÄa»T

ÀŌçĪúÁŌİĪÄŠ% Ä|Äf%f »X

1. Ð»Ä BIOS setup»Power Management à Suspend Mode Option»RÙ Øö“Suspend to Disk”»T
2. Ð»Ä BIOS setup»PNP/PCI Configuration à PnP OS Installed»RÙ Øö“No”»Tİ, ÄeĒ, BIOS ÄİØ ÑÄŌÄ Ä^ ÄŠÄĪĒèŌ Ñx»T
3. Ð”Ø ÈäÛ ØöÐ»Ä DOS ŌiÄ»»RÄfÄXĒ` Æ Win95 ÄeçèÄ»R×eÄsÐ”Ø çİ Ī’ “Windows 95 Starting ...” ÈäÄ %f “F8”»RÙ Øö“Safe Mode Command Prompt Only”»T
4. Ē_AOZVHDD.EXE İ, ÇİçÄyİ’ À»×àŌ†Ä C ŌeÔeÄŌĒèçòÛ %f »T
5. % Ä|%Q»XÄeççfile ĒeŌa (ŌRçeÄ FAT16 ÚaĒĪÄĪĒè)

×eÛ %f%ÄTÄ ç` ÄsİŠÔe%Äöçù%QÇİÛ ÜYÚa»RçèÁıÚ<À†ÁĪĒeÄĤR%Æ` ØeB ò Èà»X
C:>AOZVHDD /c /file

×e×eÄŠĒ` Æ ÄpÄİÄĤĒ ÄŌİ†P ŌeÔeÄBD»Ē_ÄiĪ½çÛ ÜYÚa»TÄiÄf»RÄfÄXĒ` ÄB2MB çU
Ē` ØeB Ōa 4MB ÄŌ VGA Ē` ØeB »RÁÔÔ Ī_Ō÷Ç€Äö%Ä36MB (32MB+4MB) ÄŌİ†P ÄB
Ð»»TÄfÄXAOZVHDD Äp%Ä İ†P ÄBD»»RĒ` ççYÄeçè DOS ÄŌ DEFRAG Ī’ À»ÄeÆ
Win95 ÄŌ` ÔeÔeÇÄİi’ À»»ÄiŌyİ’ İŠÔe»RçYİ½çÄĤĒ ÄŌİ†P ÄBD»»T

ÑÁàl

```
% Ä| %X»XÄé:è/partiton ÈëÖà (ØR:èÄ FAT16/FAT32 ÚäÈñÄÏÈ)
Äé:è AOZVHDD ÀsÏSÖé%Äö:ù%QÇí%ÄÍeÈé»RÄi Ú«ÄfÄÏÈÄÄØR%ÄÈ` ØeB ò Èà»TÇÄÉ
çèÍ, Çí% Ä| %ÄÄv»R:çÌDÑç ÀsÏSÖé%ÖSÉu%QÐ ÄBD»»TÄöÇæÄöPÍÈ`ÈöØöçÖÄi È` ØeB Üi
çcÄÖçZÉúÄÄf»RÓSÉuð %ÄÖÖéÖéÄBD»»TÄiÄf»XCj È` çöÄvÄÍ 32MB ÄÏÈçUE` ØeB Öa
4MB ÄÖ VGA È` ØeB »RÄiçÖÄiÇfÖÖ%ÄÉBÄ 64MB çUE` ØeB »RÄÖÖ È` ÍæÄÄéçÖéÖé
%ÄÄýÍ`À» (Äf fdisk) ÖSÉu%QÐ 68MB (64MB+4MB) çY%ÄÄÖçÖ%ÄÍeÈé »TÍ` ÄúÜ %
%ÄÄTÄ ç` »X
```

C:>AOZVHDD /c /partition

```
ÄfÄXÈ`ÄÖÏSÖéÄdÄÍçÖ%ÄÍeÈéÈ »R»d%ÄÄÄÈ çöÄvÖéÖé%ÄÖÖ ÈäÜ ç¼»R×è%ÄÄéçèÍ, Çí
% Ä|»T
```

6. ÇÄÑÏÈiÈäÄÏÈ (Reboot)»T
7. ÚäçèÍ|Ä,Ä ÜPÄ» (Momentary) Suspend switch»RÄeÄ È Ü Ä Win95 Ð"Ä)çmÉúÄ %ÄÖ
»`ÖäÈÈ»%»RÈ(ÇÄÏÈDZ% Suspend to Hard Drive ÖiÄ»»RÍ` ÄüÈ_Ö,,Ñ×Ð"Ý Ý ÍÄ»T
8. %f%QAÖD"Ø Èä»RÄÏÈiÈ_Ñ"ÄöÈäÄöÄ ç Äv%Ä%Ä ÄQÍvÇÈ»T



PÍÄz: xéÄqÑ»Rintel Bus Master and Ultra DMA/33 IDE driver ÄY%ÄÖç Öa Suspend to Hard Drive çmÉúÄ»T ÄS ÖäÍ, Çí driver çzÉúÑ"ÄéÄÏÈeBöÈ, %ÄÇÄS»RÇj Í, Ì' Í, ÖöÈ» Äe»R xéÍØÈ%ÄÖ drivers»T



Î½ö: ¼ÀT VGA çuòxÎ ÒiÆ VESA ÆÈv»RÁYçSØRçèÃ
Suspend to Hard Drive»T

- 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



Î½ö: ¼ÀTÇIÈPçuòxÎ Òi çØRçèÃ Suspend to Hard
Drive»T

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

ÀfAXÈ' ÁOÇIÈP çuÀs Suspend to Hard Drive ÁúI |À| çÜÈq¼
ÁQ»R×èAgÖçÈi ÆuòuÁpÆ ÁpÁI'¼PÍÁ APM Bi ÈäI' À»»RÁYÁŠ
Òà¼Á»T



×éÄqÑ_: USB çmÉúçòÁvÁYçÖçc¼UÓa Suspend to Hard
Drive ÈçAi Î Òi »TÀfAXÈ' Î, Î' ¼ÁÇÁŠÁOÎ' ÆY»R×èDz¼
BIOS»RIntegrated Peripherals à USB Legacy Support»T
Ý ÈÖ USB Legacy çmÉú»T

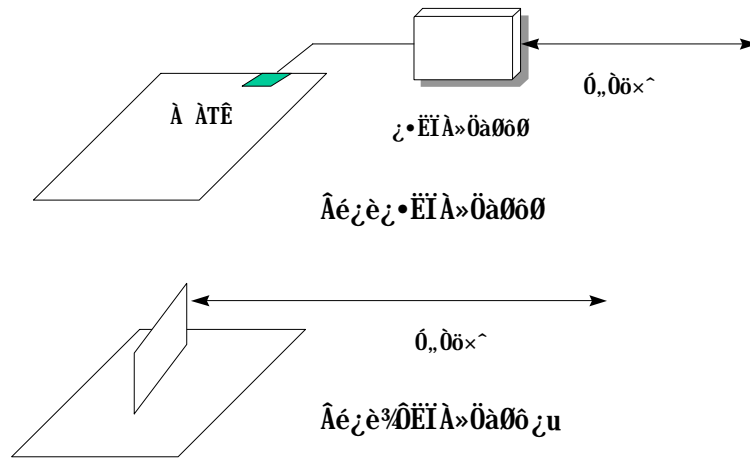
ÑÁàl

1.3 0V Modem Wake Up

ÁóÇæÀsÀÓÀiÇÈB×ñÃÖ 0V Modem Wake Up çUÇÈÈ ÈŠÓ ÀsÉˆÓ ÄÖÝ Ø ÄÄÖRÁaUp% Ä|
ÆÈÚaÄuÓ,Ñ×ÄÖÇÑÈÈÈÈ ÁpÈÈ% ÚúÈä)»RÍ, Ð çUØ Ä`Û Î^ %ÄpÍÄDaÈèÄÖgreen PC suspend
mode»RÄ Í, ÄÝ%ÄsÁóÇæÈB×ñÃÖxuí %»T



Üáçè ATX soft power On/Off»RÁóÇæççYB ÄpÈèÀsÁÓç Ý Ø ÄÖÄÄÖR%F (çYÄÓÓ,Ñ×ØøÍ' çm
Èú%ÄÖ suspend mode ÄÝ%ÄÈ È^ çÜÝ ÍÄÄpÈèÓ,Ñ×) ÄóÈèÈÈBçÓ,,Øø»RÄfÄÖÈ_ççYÈÈÄ ÄÄ
Û Ø ÖaDáÈˆØ ÄÖçmú»T

Ï]×ñÈ %ÖÈÈÄ»ÛóÈ ç•ÈÈÄ»ÖaØøØ »RÍ'çççYÄpÍÄÖV Modem Wake Up çmú»RÄ È Äéçè
ç•ÈÈÄ»ÖaØøØ ÄÖÈèÄÜZE »RE' çÏDÑB ÖaØøØ ÍSÄ Ð"Èi ÄÖÄÄÖR»TOpen ÄÖ AX6LC Öa%ÖÈÈ
Ä»ÖaØøçuí'Äè%ÄÈdÈ ÄÖ×ˆð »RÄi çYÈ' Í]DÑÈ Ð` ç Ä Ó,Ñ×»TÄÄÖRÇj È'ÑbÄéççV Modem
Wake Up çmúÄÖØø»RÁóÇæÄöPÍÈ' ÈPçè AOpen ÄÖ%ÖÈÈÄ»ÖaØøçç (F56 Äè MP56)»T





ÑÀàl

Àéçè%ÖËÄ»Öà06çuËä (AOpen MP56)»X

1.  BIOS setup»RPower Management à Modem Wake Up»RÛ Â Enable»T
2.  ÀSÖaË' ÁaË Ç€ÀsÐ"Ø ÈäÈ À ÄÖÚÍ çèÏ' À»»RÄÝË_ Äpð~Ä »^ Èi Èä»%ð†Ïi %ÄèÁbçè Suspend to Hard Drive çñú»T
3. çY soft power switch Ý ÍÄÄÏè»T
4. çY 4-pin ÄÖ Modem Ring-On Èàx^»RÍ†ËÏ MP56 ÄÖ RING Í†ËÏÛj Öa AX6LC ÄÖ WKUP Í†ËÏÛj »T
5. È_Ö,,ðöx^Í†ËÏÄ MP56»TÀ€Èi»ZÌ' ÀsË' ççYðiði Modem Ring-On ÄÖçñú»W»T

Àéçèç•ËÏÄ»Öà060 Èä»X

1.  BIOS setup»RPower Management à Modem Wake Up»RÛ Â Enable»T
2.  ÀSÖaË' ÁaË Ç€ÀsÐ"Ø ÈäÈ À ÄÖÚÍ çèÏ' À»»RÄÝË_ Äpð~Ä »^ Èi Èä»%ð†Ïi %ÄèÁbçè Suspend to Hard Drive çñú»T
3. çY soft power switch Ý ÍÄÄÏè»T
4. È_Öà060 ÄÖRS232 Èàx^Í†ËÏÄö COM1 Àè COM2»T
5. È_Ö,,ðöx^Í†ËÏÄ Öà060 »RÍ^ ÄúçÏÐ"Öà060 Ö,,Ñx»RÌ' ÀsðiðiÆ:Ár»Z



Í½ö: ç•ËÏÄ»Öà060 ÄÖ wake up Èeð00Æ çè COM1 Àè COM2 Ç† ÍuÈ0Ï »W%ÖËÄ»Öà060 ÁyÆ çèÍ†ËÏ RING (Öà060 %h) Öa WKUP (çUØ Ä` %h) ÄÖÈàx^Ç†Íu»T

Í½ö: Suspend to Hard Drive»SModem Wake Up ÖaAcephone ÚÍ çèÍ€B ÑwÈ†Áéçè»RÆ ÝÄÜ Ø ÖaÄÆ, ÐaÉ^ÄÖÍæÀèðèÁ^% Èñ»T



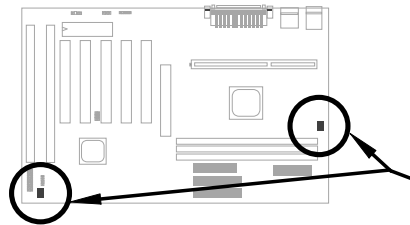
xèÄqÑ_: Àéçèç•ËÏÄ»Öà060 ÄÖðö»RÖa060 ÄÖÖ,,ÑxÍ_çÏÐÑÄ`Á ÀsÐ"ÈiÄÖÄÖB»WÍÁéçè%ÖËÄ»Öà060 ÄÖðö»RÌ_ÄdÄÏÍ, ÖoÇÇÄ %W»T

ÑÁàl

1.4 Â†ÌèÓ,,Ú%ÔäËË (System Voltage Monitoring)

AX6LC ÂÿÁÍ%QÇiÓ,,Ú%ÔäËËÏè»TÑ È'Ð"Ei Ó,,ò%Áú»R Í, Çi ÓäËËËÏèÏ_Ñ'À Þ ÀrÓäËËËÏ ÌèÄÓ%ÁQÓ,,Ú%»RÚa»Æ ÁpÁÍÁÏèÓ,,Ú%ÐhÓl%Ôç ÒeÑaÄÓË»Áe»TÇj ÁÍÍ, ÓoË»Áe»RÍ_Ñ'òxçè ÚÍçèÍ'À» (Àf Hardware Monitor Utility) Ó ÁéçèÁaÍ, çì ÞÍÁZèÈÁ»T Í, Çi ÓäËËËÏèççYÔa Æ: CPU Èð%úÓ,,Ú%»TÍ, Æ òxçè BIOS Óa Hardware Monitor Utility (ÚaÀh ÚÍÝ À aohw100.exe»RÁp%ç4100 Æ Á ÄÄçÓÖó×i) Á %' ÓWÁÁÓ»RÍ]ÐÑÁéçèÄ ÁpçÁÍŠB »T

1.5 ÇÑÈËËËäËË (Fan Monitoring)

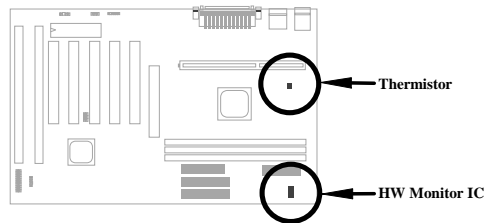


Í, Ð çUØ Ä`%hÁÍÁúÇB-pin ÄÓÇÑÈËËÏÚj CPU_FAN Óa FAN»R%QÇiÍ@CPU ÇÑÈËËéçè»Rç† %QÇiÁÿççèÄ Ø Íú%hÄÓÇÑÈËTÍ, Çi çmúÆ òxçè BIOS ÓaÚÍçèÍ'À» (Àf Hardware Monitor Utility) Ái Á %' ÓWÁÁÓ»RÍ]ÐÑÁéçèÄ ÁpçÁÍŠB »T



×eÄqÑ_: È' çÌÐÑÁéçè 3-pin ÄÓÇÑÈË»RÍ, ÓðÇÑÈË%çpÍÁ CPU ÇÑÈËËäËËçmúÁi Ø÷ÁÓ SENSE ÈeÓÓ»T

1.6 CPU Ó]Ö Å` BQ (CPU Thermal Protection)



çÖçUØ Ä` ÍñÍÑBÑÄ` BQ×`Ö »RÑ ÑBÑÑÄÄ ÓŠç ÄŠÖ,,ÄÖÖaÇaEa»RU ÍñÑÑÄoEaÇÉÄT»R
ÄYçSÖxçëÜçèç` Ä» (Äf Hardware Monitor Utility) Í, çí ÞÍÄçÜE»Í, ÇíçñúE` Öxçë BIOS
Öa Hardware Monitor Utility ÄíÄ` ç` ÓWÄÄÄÖ»RÍ | ÐÑÄéçèÄ ÄþçÄÍŠB »T

1.7 çpÍÄÄyÖÇÄçÄÖ BIOS (Multi-language BIOS)

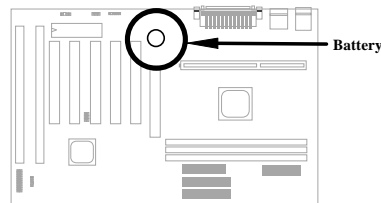
ÆÈÍ`Äe AOpen ÄéçèÄaÍaÄeÄÖçpÍÄ»RAOpen ÍEß Ð`Í, Í»Ä` ÖxÓ]çÄpÄÖÖÜi»RÍñÄ Á[ÄR
çWÄiÄÍÄÖE`YU»RÄÄçmÖI, Èççí Í`ÄeÄyÖÇÄçÄÖ BIOS ÄÖÄóÍ_»T

È` ççYÈ,,ÄöÇaÄÖÖ ÉÖçf`Ö È` ÄiÇEÄÖ BIOS ÄÄçÖ (ÓÍE` çççç) »RÇÄÑçÜ_Ü Ä È` ÄÖçUØ Ä`
çÄ»TçYÄüDççBIOS Setup ÍvÇEÄ»Rç`ÇEÄ çf F9 Ä Üp»RÍ_ççYçÄÍÄÄÄççççÄÖÍvÇE»R
ÄÄÄ çQÄÖF9 Äj ççÄoÄ ÇoççYÍvÇE»T

ÆÖÄYÍ, ÇíÄóÍ_ó È` ÄsÍñŠBIOS ÐÍçöEä»RÈ_ÄÍÄíÄfÉ,,»T

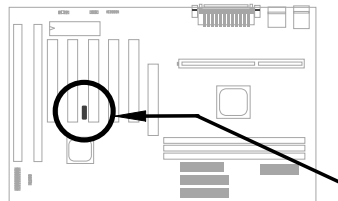
ÑÁàl

1.8 ¼/Ō÷Âé¿èŌ,,ÀÚ (Battery-less Design)



Æ³WBeÚÍÚ Á` »BA Open ÄŌ AX6LC ÈP¿è³WQ/ÆÇŌÄ¹ÄŌ battery-less (¼/Ō÷Âé¿èŌ,,ÀÚ) Ín Çf»T¿Ç€ ATX Ō,,Ñ××^¼/ÄŌ³f »RÈ' Á\¼/Ō÷ÂRÂé¿èŌ,,ÀÚ¹ÄèŌ,,Ñ×ÍŌRTC (real time clock) Ōa CMOS Setup»TÍ, ŌðÍnÇfÄŌÄ€ÍSAsÁ »R¿z¿YŪñÁ\Ō,,ÀÚÄŌ,,Èä»RÚ ¿¼CPU ŪhÍ%Ōa CMOS Setup Í¿Ō Èä»T³/Ō] Æ³W¼ Ä\Âé¿èÄæÄŌŌ÷Ç€»RÄŌÇæÄæÍ^ ÚYÄ ³WQŪ Ōj Ō,,ÀÚ (CR-2032) »RÄi¿YAfÄXÈ'ÑbÇ€¿èŌ,,ÀÚÄŌŌ»R³/¿z¿Y³/¿zèÈ¿ÄÄŌÈŌ»T

1.9 PCI ÇÏÈP¿uËÏÚj (PCI Sound Card connector)



AX6LC Í¹Äè³WQÇ¿SB-LINK ÈÏÚj »R¿z¿PÍÄ Creative ÆÈvÄŌ PCI ÇÏÈP¿uËÏÚj »TÄŠŌaÍ, ŌðPCI ÇÏÈP¿uËÏÚj »R¿ÍDÑ¿èÄ ÄŌÈÏÚj ³• ÈúðèÄ^DOS Ú Ōi ¼f ÄŌÆÈvÈ-ÝU»T

ÏP³XÍÓ ÌŠB ÀŠÒà

¿ÓÍÓÈ_¿YÍqÁá0¿DzÁ0% Á»RÓ»Á ÀfÀ ÀŠÒàÈ·ÄÖÄÏÈ»R×è×eÓ ÁaÑíÍ, ÁáÁŠà[ÁÍÀŠÒà»T



×è%f%ú: ESD (Electrostatic Discharge) ÆÛcÓ, Á Ó, %ÁÑ_»R¿èÁ ÙÈB Ó,,Ò (IC) ÁöÈvÁ Á Á ÚcÓ,,ÑaÚÍÁÖ Ö%Be»RÀnÀÓÑ"ÁeÑ]ÍSÌ' ØÓ»RÔéÔèØ »RÜi ¿c¿u%èÁp ¿]ÁÖÓ†¿ Á Á ÐaÈq»TÆ%WÓŠÁØÚcÓ,,Á Ó,,ÁíÑ}ÝrÍÓ %/ »R×èÛ ÁÆfÀTÁÖÓŠÁØÈÓÆ»X

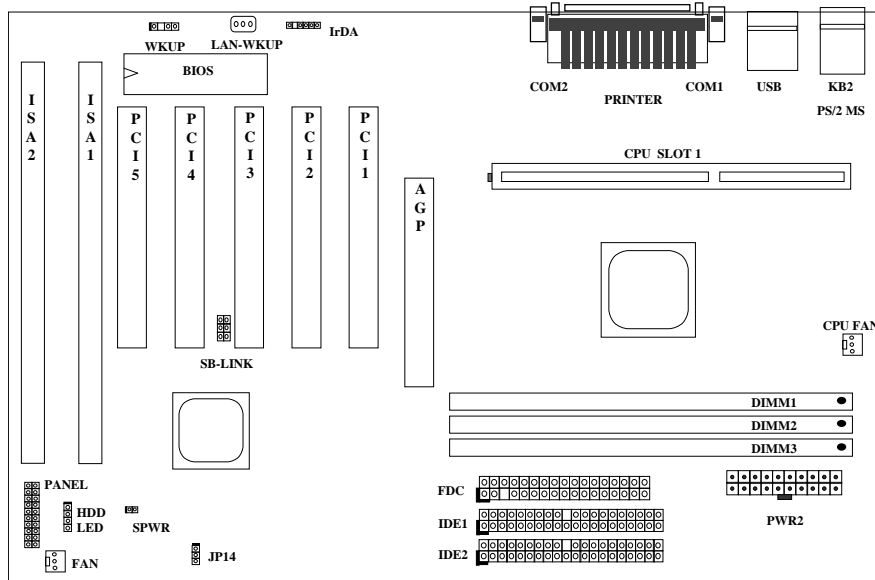
1. È¼ÁUË' %ŠÑáÍaÀÈÇ€È"Á}ÀŠÒaÓ†¿ »RÁpÁy%uòf%½ Ç€È_Ó†¿ ÀöÁØÚcÓ,,¿nòà%Á ¿i»T

2. ÀsÈ' ÀŠÒaÓ†¿ È»RíæÀÈr%hÁÍÈÏÀr×^ÄÖ%ú Ú »R %Í»¿ ÄÖÓ,,%Ó†¿ À Í¼ÁÍÀs× »TÀfÁXÁdÁÍ%ú »R ×èÁé¿è¿ À ¿z¿YÁØ% ÚcÓ,,ÄÖÍÚ¿_Á»RÁí ÒaÁÏÈéÓ† ¿ %è¿UØ Á`ÈÏÏ»T

İŞB ÅŠÒà

2.1 Jumper ÕaËiÚj ÄÔÀ Ò~

¿Y%¢ Æ¿U0 Ä`¼Jumper Ä^ ËiÚj (connector) ÄÔË:Ò~ Óé»X



Jumpers:

JP14: İ ^ Ê¼CMOS

ËİÚj:

PS2: PS/2 ÑàÓÁËİÚj
KB: PS/2 Úþ×J ËİÚj
COM1: COM1 ËİÚj
COM2: COM2 ËİÚj
PRINTER: ÀJÀ Ø ËİÚj
PWR2: ATX Ó,Ñ×ËİÚj
USB: USB ËİÚj
FDC: Floppy Í†ËİÚj
IDE1: İÐ¾Qİi IDE Í†ËİÚj
IDE2: İÐ¾Xİi IDE Í†ËİÚj
CPUFAN: CPU ÇÑÈÈÈİÚj
FAN: Ø İàÇÑÈÈÈİÚj
IrDA: IrDA (Æ ç•×^) Í†ËİÚj
HDD LED: HDD LED Í†ËİÚj
PANEL: Åv¾ ÇÈÀ` Å ÚþÓaÛ` ÓÓÍ†ËİÚj
SPWR: ATX Soft-Power Switch Í†ËİÚj
MODEM-WKUP: Modem Wake Up Í†ËİÚj
LAN-WKUP: Lan Wake Up Í†ËİÚj
SB-LINK: Creative PCI ÇİÈÐçuí†ËİÚj

İŞB AŞÖa

2.2 Jumper

İ, D ÇUØ Ä`Æ ÈPçèİ Jumper İncf»RÈü»QÄÖ Jumper Æ İ ^ È CMOS»RÄpçUÇÆÆ çèÄ ÄeÈ`È`xi ÄÖÈaÇi»T

2.2.1 Ü Â CPU Úhİ%

İ, D ÇUØ Ä` ÇZ YAöÈaÈÖİ CPU Ó, Ú»R ÄYçSçZ YB È`As CMOS setup ÇÄ İmŞ CPU Úhİ%»RÄiİ] DÑÄçèÄ jumper»Tçç•»RçZç YÍ`Ó] ÇÄ YÍ`Ä»»RÈ_ç ÜxeÄÖ CPU Ò Èe È`Ü Ä EEPROM ÇÇ»TÄfÄÖ»QÄi»RÖf» CMOS Ü çç»RÈ`İ_ ççèÖü»ÇÄİn CPU Ó, Ú»Äççi ÇMEÜ »Rççççç İÄÈÇhÄÖçİD"Ó, ÒçØ İüÜaİ CPU ÓöY ÇW»TÄiİ, ÇME ÇQE ÈP çèİ] jumper İncfÄÖ Pentium ÇUØ Ä` çUÇÈÄÖÈ»YU»T

İmŞ CPU Úhİ%ÄÖ% Ä|Æ »X

BOIS Setup à Chipset Features Setup à CPU Clock Frequency

(çZÈüÄÖİmŞÇâÄİ 66»S68.5»S75 Öa 83.3 MHz)

BOIS Setup à Chipset Features Setup à CPU Clock Ratio

(çZÈüÄÖİmŞÇâÄİ 1.5x»S2x»S2.5x»S3x»S3.5x»S4x»S4.5x»S5x»S5.5x»S6x»S6.5x»S7x»S7.5x»SÖa 8x)

$$\underline{\text{CPU ÇÖİ} \gg \text{Úhİ}\% = \text{ÇÜÚh}\% \times \text{ç} \cdot \text{Úh}}$$

INTEL Pentium II	CPU ÇÖİ»Úhİ%	ÇÜÚh%	ç•Úh
Klamath 233	233MHz =	3.5x	66MHz
Klamath 266	266MHz =	4x	66MHz
Klamath 300	300MHz =	4.5x	66MHz
Klamath 333	333MHz =	5x	66MHz

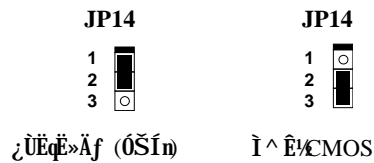
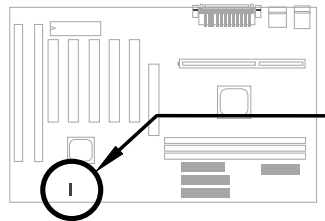
2.2.2 İnÅŠ CPU Ó, Ú½

çÛçU0 Ä` %pİÄPentium II (Klamath) VID çñú»RçzàoÊäÊÖİ CPU Èð%úÓ, Ú½»RÄp»u İ Ås 1.3V Å 3.5V %ÄĐ»T

2.2.3 İ^Ê½CMOS

JP14	İ^Ê½CMOS
1-2	çÛç»Äf (ÓŠİn)
2-3	İ^Ê½CMOS

ÄfÄXÉ' ÄeÊ` Äi İnÅŠÄÖÄİeË\»xi Èä»RçİĐNç È_İaBE İnÆIC»D»Rİ^ È^ÄYÇÄİnT^` dİÄÖİnÅSÇaÄú»R»ÉúÇÄ NİĐ"Ø »T



İ^Ê½CMOS ÄÖİ' Áá:

1. Ý İÄİeÓ, Ñ»T
2. ÅoÈÖ PWR2 %ÄÄÖATX Ó, Ñ»»T
3. Äpçi JP14 Äi ÅsÄÖÄ Ø~»RÈ_D »Äİf ÖÄ %f Äi»RÄ È^Ä-3 Ø"Ä %Ä»T
4. %QÑÄúÈä»Äú»RÄ %fĐ »Äİf ÖÄNİÈ^ ÄoÄ 1-2 Ø"Ä %Ä»RÄ İpÄÄÇ Äi ÄÖÄÖR»T
5. È_ATX Ó, Ñ»»ÈİÄo PWR2»T
6. ÇÄNİçİĐ"Ø, Ø¼Ó, Ñ»»T
7. ÄfÄXNbcÈİnÅŠNİÄÖÄİeË\»xi »RçzAsÄİeËi ÈäÈä»RÄ %f [DEL] ÜpĐz¼ BIOS Setup İvÇÈ%¼»RARÄ ÅŠNİÄÖÈ\»xi »T



İ¼ö: ÄfÄXÉ' ÄÖÄİeÄnÆEĐhÜhÄiÑ ÈÖÄeİjÄ|Đ"Ø »RçzçYİ^Ê½ CMOS»RB ÄİeÄoÄ ÓŠİnÄÖÄÖR»TÈ¼ÄÄéçè JP14 %Äç»RÈ' %n çççYAsĐ"Ø ÈäÄ %f <Home> Äi İ^Ê½CMOS»T

İŞB ÅŠ0à

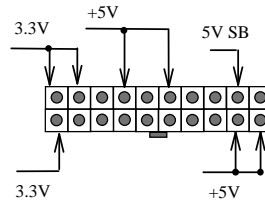
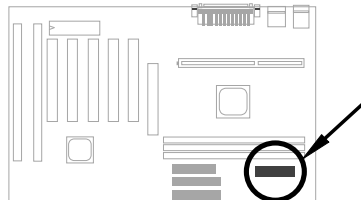
2.3 İ†ËİÚj

2.3.1 Ó,,Ñ×Í†Ëİ×^

ATX Ó,,Ñ×Í†Ëİ×^ ÅéçèÀf%Ä Å020-pin İ†ËİÚj »R×è×eÅŠË' İ»%4Å0% ÅgÆ çÛ×eÅ0»T



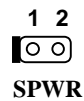
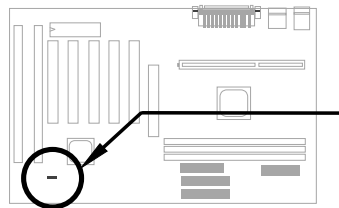
×è%4%ñ: Åsİ†ËİÅeÅ0E¼Ó,,Ñ×Í†Ëİ×^ÅÅv»R×èç Ý İÅ†İeÓ,,Ñ×»T



PWR2

2.3.2 ATX Soft-Power Switch ËİÚj

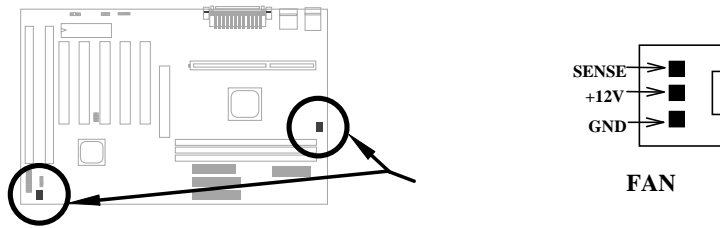
ATX soft-power switch İ†ËİÚj Å 2-pin Å0»T×èç È,, ATX 0 İuÅ0Åv% ÇËÅ` %ñÁpçi Öè çöÅE "power switch" Å0 4-pin İ†Ëİ×^»Rİ^ Åñİ†ËİçU0 Å` %ñÅ0 soft-power switch İ†ËİÚj (ÖèçöÅE SPWR)»T



İŞB ÅŞ0à

2.3.3 ÇNÈÈ

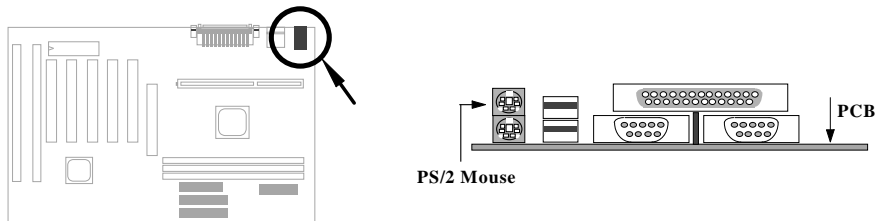
ÀsçU0 Å`¼h»RÀÍ%ÇÇi0èCPU FAN 0a%ÇÇi0èöÆFAN ÅÇNÈÈÈÛj »T



Å İ : Í, ÅüÇi ÇNÈÈÈÛj Í¼zçY¼pÍÅİŞB 0aÈÈçmÈú (hardware monitor)»T

2.3.4 PS/2 Nà0Å

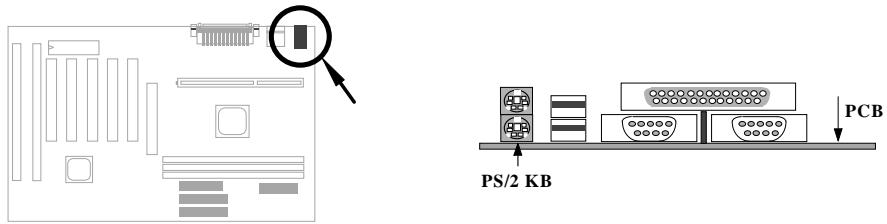
×eÍ†ÈÛ PS/2Nà0ÅÅ 0èçöÆÛPS2 MS1Å0ÈÛj ¼h»T



İŞB ÅŠ0à

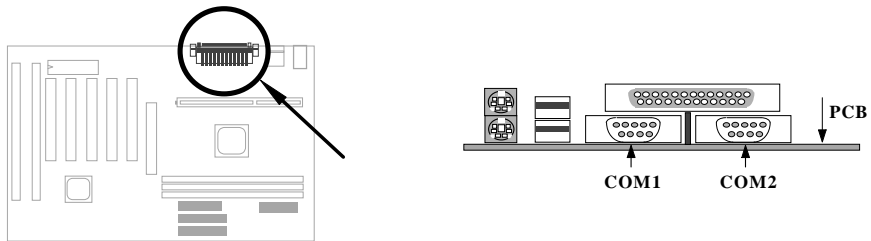
2.3.5 PS/2 Üp×]

×èÈ_PS/2 Üp×]ÈÏÀ öèçöÆ KB ÄÔÍ†ÈÏÚj %41»T



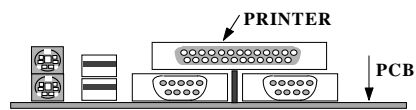
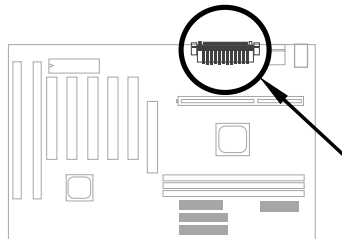
2.3.6 À ÀTÊ (COM1/COM2)

Äü% ÇÈÄ` %41ÄÍÄüÇiÖèçöÆ COM1 Õa COM2 ÄÔ 9-pin D-ÄÆÈÏÚj »RççèÄi Í†ÈÏÀ ÅT È ÑaÓÁ(serial mouse) ÄèÆ Öa060 »TÄp%41P%ÇÇiÀ ÀTÊ ÈÏÚj öèçöÆ COM1»WLP%X ÇiÄyöèçöÆ COM2»T



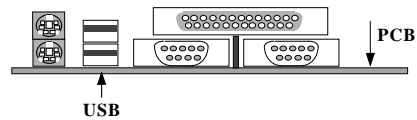
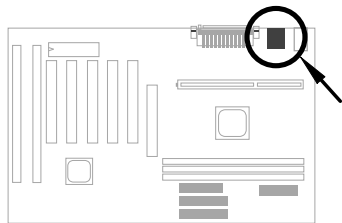
2.3.7 À]Ä Ø

¿UØ Ä` Äü% ÇÄÄ` %41ÄÍ%QÇi Öê¿öPRINTER ÄÖ 25-pin D-ÄÄËÛj »R¿èÄiÄŠÏ»ÄYÄTÄÄj
Ä Ø »T



2.3.8 USB ÖàÖ~

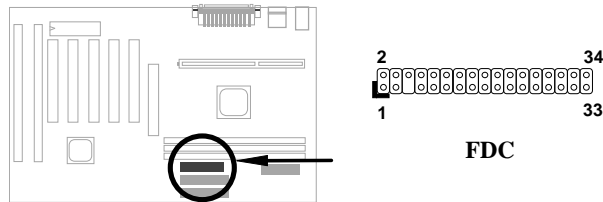
Ë` ¿zË_ USB ÖàÖ~ Í†ËÏÄ USB ËÏÛj »RÍ, Ð ¿UØ Ä` %41ÄÍÄüÇÜUSB ËÏÛj »RÖê¿öÄË
USB»T



İŞB AŞ0à

2.3.9 İ€0è0

AszU0 Ä` %hAI%QÇiÖèzöMDC Ä0 34-pin ÈIÜj »RzzeÁIÍtÈIÄüç<Í€0è0 »T

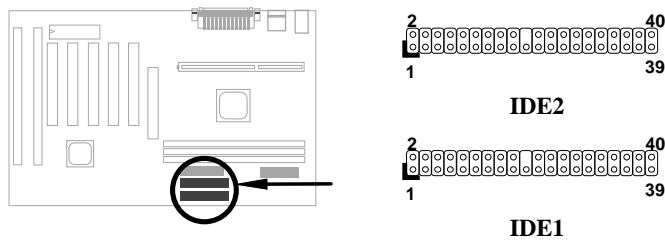


2.3.10 IDE İŞ0è0 0a CDROM

AszU0 Ä` %4»REİÄIÄüÇiÖèzöIDE1 Ä^IDE2 Ä0 40-pin ÈaÈS»Rz»MÄ` ÍtÈIÄüÇi IDE 0a0~»RÍaÄyçÍtÈIçÇi IDE 0a0~»R%QÈIDE1 %d06ÆçÚÍ„0U(primary channel)»R IDE2 %d06ÆÄ0Í„0U (secondary channel)»T

ÍtÈIÄ ç %QÍ„0UÄ0İP%Qç<0a0~çİĐNİnÆ master mode»WİD%Kç<0a0~çİĐNİnÆ slave mode»Tç %QÇi0a0~Ä»zÆİŞ0è0 Äèç 0è0 »T

×èÈ_È`İP%Qç<0a0~ÍnÆ master mode ÄYÈIÄ IDE1»RİD%Kç<0a0~ÍnÆ slave mode Äa0aÈIÄ IDE1»TÄfAXE`ÄİİP%ç<%èİPçç<>R×èÄaÄÈIÄÄ IDE2 Ä0 master %è slave mode»T

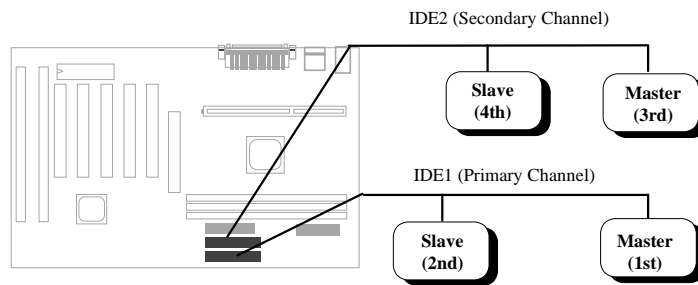


İŞB ÅŠ0à



×è¼f¾ú: IDE İhÈ ÅðPİÈà×İaÄ ¾¼zDhÓ] 46 ¾¼¾Ü (18Ç0Àe)»RçYÀ\Ò ÈàĐaÜ ¾¼Ä”»T

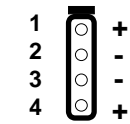
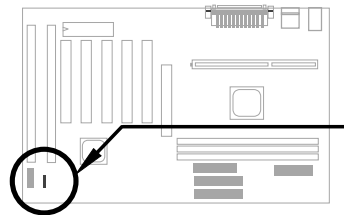
×è¼f¾ú: ÅÈÓWÄ İaÄèÄÖAYÖÓÁ•× »RÈà×İaÖNÖ÷ÄÖ ÖaÖ-İaÄÈİnÄÄ master mode»RÄYÄaÑi ¾FÖèÄöPİÄÖDD ÄaÄŠÖaÑ†ÖaÖ~»T



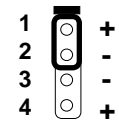
2.3.11 İŞÖê LED Å çöÜ`

İŞÖê LED Å çöÜ` ÖèçöÄÄ HDD LED»RÍ, ÇİÈaÈŠçz ØRçèÄ Äf Öö¾¼ÄaÄÖÖ İu»RÄfAXAi ÅŠÖaÄÖÖ İuAv¾¼ ÇÈ Ä`Ä Äİ 4-pin İ†Èİ×^»R×eÄ×Èİİ»¾¼»TÄfAXç^Ä 2-pin ÄÖİ†Èİ×^»RççYÜ ÖöÄŠİ» 1-2 Äè 3-4»RÄ ×eÄqÑ_Ñç Ää»T

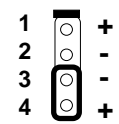
Pin	Description
1	HDD LED
2	GND
3	GND
4	HDD LED



HDD LED
4-pin İ†Èİ×^



HDD LED
2-pin İ†Èİ×^
ÈİÄ pin 1-2



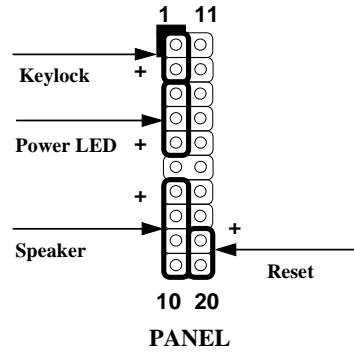
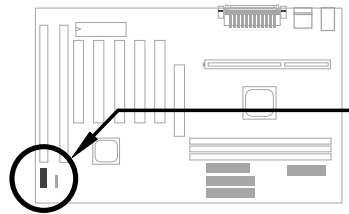
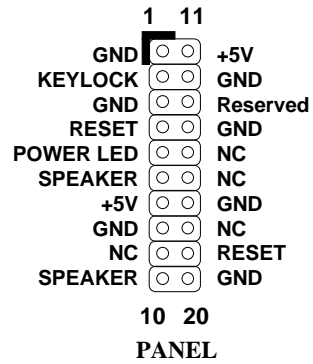
HDD LED
2-pin İ†Èİ×^
ÈİÄ pin 3-4

İŞB AŞÖà

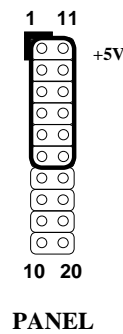
2.3.12 Av¼ ÇEÄ`EİÚj

Av ¼ ÇEÄ`EİÚj 20-pin Èa ÈŠ »R Öè çö ÅÅ
PANEL»TÀÖÈa»EİÚj çİ†EİÖ,Ñ× (power) LED
 Å çöÛ` »RÛp×]Û (keylock)»RSuspend Å Đ†»R
 ÅöÖ,,Öi À» (green) LED Å çöÛ` »RÇÄÑ†Đ`Ø
 (reset) Å Đ†»RÍúç` (speaker) İç»TE` ççYÄæç|
 ÖéÄiÅŠÖà»T

ÄIÄaØ İuÆ Äéçè 5-pin İ†Eİ×`Äiİ†EİÛp×]Û Öa
 Ö,Ñ× LED Å çöÛ` »RÄEİ,ÄuİiÈaÈŠÆ ÅöWÄÖ»R
 Äi çYÄéçè¼¼¼¼¼ÄIÈ÷YU»T



ÄfÄXØ İuAvÇEÄ` ç`Ä 12-pin1 ÄÖI†Eİ
 ×»RE` ççYÄæç|ÖéÄÖ¼ Ä»ÄiÅŠÖà»R×è×e
 ÅŠI†Eİ×`ÄÖÆ ×`Æ İ†EİÄ 1+5V1 ÄÖA
 Ö~»T





×eÄqÑ : ÄfÄXÖ İüÇEÄ`%hÄİçlİİ†(turbo) Ä Ð†»RE' çzçYË_%Äçè
 Ä Suspend Ä Ð†»T

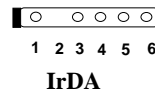
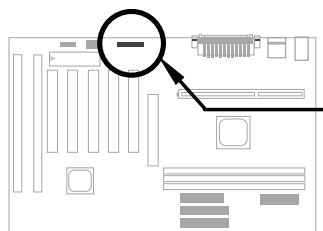
×e%ç%u: ÄfÄXË' Äü Turbo Switch Ñ ÄQ Suspend switchÄİ çè»R
 ×e×eÄŞ çİ ÐÑÇ€Ä Äü ÄÖçYÖi ÜÜYJ E, Ä»Ä Üþ (momentary
 mode)»T ÄpÄyÄ†İèçzEüI JÄ|Ð"Ø »RÄnÄEÄRçYÖNË{C¼ÄDz¼
 Suspend mode»T

2.3.13 E ç•×^ÐaÜ Ê (IrDA)

çÖçUØ Ä`ÄÖİP%XA ÄTE (serial port 2) çzçPİÄ IrDA E ç•×^Öi İi»TÄi Üñ IrDA
 (Infrared Data Association) Ç çÖE çèHP»SCompaç»SBM İçÜfÄi ÄÄçüÄÖ%QÇİ
 İi ÜI»RçèÄi EÜÖ†ÖSçèE ç•×^Ða×^Ö EäÄÖÄoİ_ÖaÜI çè»TÄüÄi İEP Äİ ÖiEi ç¼»R
 IrDA Ä`İ%ÄSÄeÄÄE ç•×^ÐaÜ ÄÖÖeÑa»TççEÄ`ÄÖÖ,Ö¼ÄyİaE ç•×^ÐaÜ çmü»RçS
 İBÄi IrDA İmS»Rİ_EüE Äs%QÄSDkü %Ö»R¼ÄçEİ†Eİ×^»EÖİ†Eİ»RÄj çÄöEäÖa
 İÄE`ÄÖ,Ö¼ÄeÇi %YÖaÄ Äfİ'(PDA) Äö%Äİ†×^»SDÄÖÖüaEñÖ EäÄeE_¼ç ÈvÄ %p
 İÄ IrDA ÄÖÄJÄ Ø ÄTÄ|»TçÖçUØ Ä` çzçPİÄHPSIR (115Kbps, 1 meter)»SASK-IR
 (56Kbps) Öa Fast IR (4Mbps, 2 meters) İçİhË »T

ÄŞÖaEä»R×eË IrDA E ç•×^Öi İi ÄŞİ»Ä çUØ
 Ä` %ÄöeÄİrDA ÄÖEaEŞ»TÄŞÖa%ÄÄü»RE' Üóçİ
 Ö=Ð"Èi 1SZ didv† fİÖÄÖE ç•×^çmü»R¼ çz
 çÜEç¼ÄQ»T

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

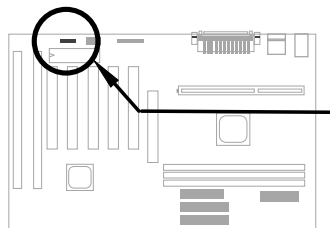


İŞB AŞÖà

2.3.14 Modem Wake-up EİÜj

çÖçUØ Ä` %hÄyÄÍÉdÈ ×`ð Íñçf»Rçz%pİÄÖaØØØ ÖÖÈÈÐ"Ø
 (Modem Ring-On) çñú»R%ÖEİÄ» (AOpen MP56) Äèç•Eİ
 À»ÖaØØØ Á»çØRçè»TçèÄ Äèçè%ÖEİÄ»ÖaØØçüÄÖØØ»RçÇÈä
 %ÄØ÷EİÐ`Ó„Ñ»RÄi çYÄóÇæ% ò ÄòPÍÈ'Äèçè»TÇj È'ÈPçèÄÖ
 Æ` AOpen MP56»RÄy×èÄèçè4-pin Í†Eİ×`»RÍ†Eİ MP56 ÄÖ
 RING EİÜj ÖaçUØ Ä` %hÄWÖKUP EİÜj »T

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

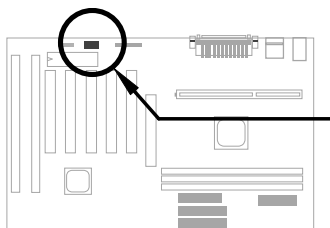


MODEM-WKUP

2.3.15 LAN Wake-up EİÜj

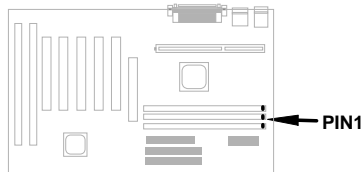
çÖçUØ Ä` ÄyÄÍLAN-WKUP EİÜj »R ÇÈÄèçèLAN Wake-up
 çñú»RçİDÑÑwEİ%pİÄÄÖçñúÄÖØ ò çüÖaØ ØøÍÈB (Äf
 ADM)»T

Pin	Description
1	+5V SB
2	GND
3	LID



LAN-WKUP

2.4 ÅŠÒà;UÊ`Øêß



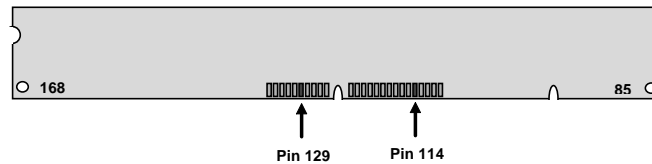
ÅÓ;UØ Ä`ÀÍ3 È DIMM (Dual-in-line Memory Module) Î»Öê»R;Z;Y³pÎÄ EDO (Extended Data Out) Ä^SDRAM (Synchronous DRAM)»RÍæÄÈv Ð,, ;zÓWÄ 750MB EDO DRAM Äè 385MB SDRAM»T

¿Ö¿UØ Ä`¿Z;Y³pÎÄÖêÑa64/72-bit ÅÖ DIMM ÖiÎi»T

- I. %f %f: Í ÇÈÆ 1Mx64 (8MB)»S2Mx64 (16MB)»S4Mx64 (32MB)»S8Mx64 (64MB)»S16Mx64 (128MB)»WÄiÜ ÇÈÆ 1Mx64x2 (16MB)»S2Mx64x2 (32MB)»S4Mx64x2 (64MB)»S8Mx64x2 (128MB)»T



Î½ö: ÄÍÇi¼ Ä|¿Z¿YÜaÆiÈ` ÅÖ DIMM Ä Í ÇÈÜöÆ Ü ÇÈ -- Ä:Ä-DIMM %hÇÈÄÖ pin 114 Öa pin 129»RÄfÄXÄÍ È±Ö-Ö,,Ö »RÍ, È DIMM ;zÉuÎ_Æ Ü ÇÈÄÖ»WpÄyÎ_Æ Í ÇÈÄÖ»T×èÈÑi %fÇÈÄÖÖèö»T



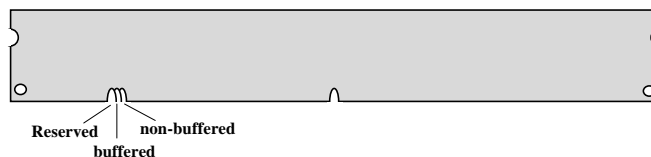
II. Í±Äñ:

SDRAM: %QÉ Ä Öè;öÄf12 Í, ÖöÄÄ»»RÍ, Ä ;öÄfÄ Í±Äñ (clock cycle time) Ä 12ns»RÄi;YÄÖSDRAM Íæ%ÄÖ clock Ä 83MHz»TÜöÄÍ;#%QÖöè;öÄ ÄfÄa-67 Í, ÖöÄÄ»»RÄ ;öÄaÄSÖ ÈaDaÜ ÍæÄö;Ä 67MHz»T

EDO: EDO RAM ÄÖÄfÄ Í±Äñ (access time) Ä 60ns Äè 70ns»T

İŞB AŞÖà

III. Buffered and non-buffered: ıÖıUØ Ä` ıİÄnon-buffered DIMM»TÈ' ııYÄæ Øö DIMM ııÇÈÈ»ÄÖÀ Ö~»RÄíÄaÄ non-buffered DIMM Öa buffered DIMM»T ×èÈèNi ııf ÖèÄi ıö»X



ıèÄ Éä»ÄÖÀ Ö~»Äa»Rı^Äİ non-buffered DIMM ııYİ»ııUØ Ä` ııÄÖDIMM İ»Öè»TÜ İ^ ıöÄvıÇÈÈ»ÄıÈ»Ä ÄÖIMM İ½ıŞÖ»E non-buffered ÄÖ»RÄöÇa»Äİò ıİÈ'ÄsÜ ÜaÈÄı»aÈÜóE Ö ÄÈÈÖüÈ»İ^N»»T

IV. 2-clock and 4-clock signals: Ü İ^ 2-clock Öa 4-clock ÄÖ DIMM İ½ııYıèÄs İ,Đ ıUØ Ä` ıı»RÄ ÈÈ»WÄİeYÇÄSÄaİöNİb»RÄöÇa»ÄİòDİÈ' İ»ÄÈÄé»ıı-clock ÄÖ SDRAM»T



İ½ö: ÇÈÜa»İÈ' ÄÖ SDRAM È 2-clock ÜóÈ 4-clock ÄÖ»RııYıè»E»E» pin 79 Öa pin 163»RÄfÄXÄİÈıÖ-Ö, Ö İ_ ÜÍÖİÈ 4-clock»WÄpÄyÄ»È 2-clock ÄÖ»T

V. ÄaÄ ıÖ: ııİÄÖèNÄÄÖ 64 bit wide (İ] parity) SDRAM»T

BIOS ııöÈÄÈÖİ È` ÖèB ÄÖÈvĐ,»ıèÄÄ»»RııÄ-Äéıè Jumper İmŞ»Tİ»ııÖÈ` ÖèB Èv Đ,È 750MB»T

LX İÖı İı ı^ÉúÄéıè 3V EDO Äè SDRAM»RÄnÄÖÈ' ııYİğÄi Äéıè EDO Ä^ SDRAM»T

ÄTÇı DIMM İ»Öèİ½ııYÄŞÖà EDO Äè SDRAM»T; YEDO ÄİÖ»»Rİ»ııÇa»È 750MB»W Äİ SDRAM ÄyıÄ 384MB»T

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

İŞB ÅŠÒà

¿Y%ÀT¿ÀoPÍÀe¿èÀÖ DRAM İiAi »X

DIMM Data chip	ÅTÇÈ bit Öà¿ò	Í Ü ÇÈ	Chip Öà ¿ò	DIMM %¿ %f	Æ ÁpÀòPÍ
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	ÅTÇÈ bit Öà ¿ò	Í Ü ÇÈ	Chip Öà ¿ò	DIMM %¿ %f	Æ ÁpÀòPÍ
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.

¿Y%ÀT¿ÀoPÍÀe¿èÀÖ DRAM İiAi »X

DIMM Data chip	ÅTÇÈ bit Öà ¿ò	Í Ü ÇÈ	Chip Öà ¿ò	DIMM %¿ %f	Æ ÁpÀòPÍ
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

İŞB ÅŠ0à

òx0] AOpen Î òi0] ÅÖ EDO Õa SDRAM Àf%F »X

¾¼¾/Y ÅÆ	Õ±Êí	ÅÄÓ	Í Ü ÇË	Chip Õàçò
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

¿Õ¿U0 Å`Æ ¿Parity check ¾ Å»ÊÖÍ Ê`œB Ù Ö»TE' ¿IDÑÆ¿è72 bit DIMM (64 bit data + 8 bit parity) Åí¾pIÅ parity check»RBIOS ¿zÀœEaÊÖÅ0 72 bit parity DIMM»R
¾Ä=İŞB ÍnÅ»T

ÎP³/eÍÓ Award BIOS

¿ÓÍÓË_Ó»Ã ÀfÀ ÍnÃSÁİİeËeÓ»RÈ‘ ¿zYÃé¿è AOFIash Í, Çí%¿ÃýÍ‘ À»ÃíÁ N†¿UØ Ä`
ÃÓ BIOS»T

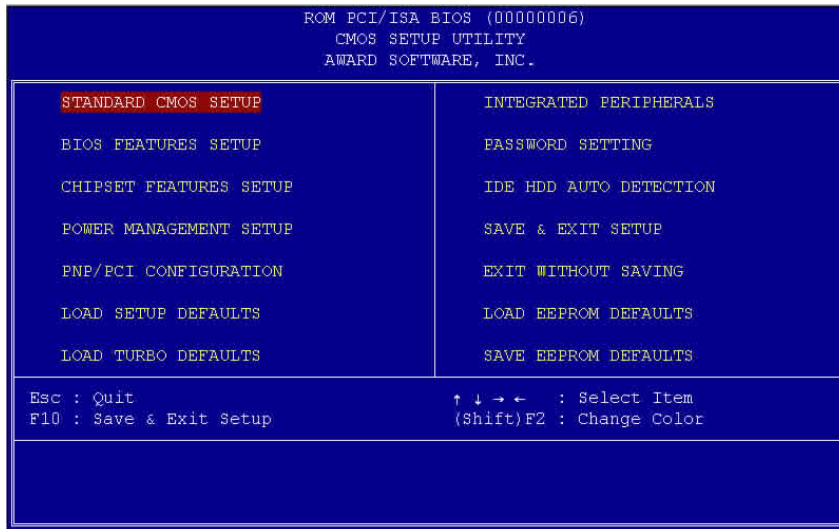


ÇÁÇÈ: AnÆ BIOS codeÑ“ÚYİôÃİİeÍ€İŠB ÃÓİnÇfÇnÁ
ÃíÁ Đz»RÁi ¿Y¿i ÍwÈãÃÓ BIOS ÄÃ¿Ó¿zÉúÑ“Óa¿ÓÍÓ%Đİé
ÃÓ%ÓËv (ÉdÁ`Æ Chipset SetupËeÓà) ÃÍÃáÈİÃ»T

AWARD BIOS

3.1 Ɖz¼ BIOS Setup ¼UÙ Í

BIOS Setup Ɖ ¼QƉ,ÀƒÀ ƒ Flash ROM ƒ0Í'À»xi »R¼z¼Y¼èÀÍÁ Á ƒİèÈè0a»RƒYÈ_ ¼ƒÀƒÀ 128 byte ƒ0 CMOS RAM ¼¼»Rƒè¼èÀ¼ƒƒƒƒ¼ BIOS Setup ¼¼»R¼`ƒƒÀsƒ" 0 ƒ¼ÀƒİèÈ ƒ POST (ƒ0ƒ0Í 0i) Èà»Rƒ ¼ƒDEL ƒ ƒ¼»Rƒ\¼ƒ¼¼ AWARD BIOS Setup ƒ0¼UÙ Í »T



Í¼øKIÙ 0ö "Load Setup Defaults" ¼ƒ0 ¼ƒÀƒİè0Š ¼ ÍnĂŠĂ0Èè0aƒà»WĂİÙ 0ö "Load Turbo Defaults" ƒ¼zƒƒè¼è0 ƒ0ƒ0Èè0aƒà»Rƒ ¼İƒŃÈ 0 ƒİÍ ƒ0Ăƒİè ƒİĂİ»T

ĂsİvƒÈ¼ƒ¼ ƒ¼ ƒÍ¼QĂ ¼`À »RĂƒDUÈ'ÀƒÀ È_ĂX¼ Èèİ0Ă 0 ƒİ¼ƒ¼»RƒƒÀ Á Á ÍnĂŠ»R¼Y¼è ƒƒÀ È„¼QƒİÍvƒÈİ0Ă ¼¼»QƒİÍvƒÈ'ƒĂb¼è¼ ƒgŪ»R¼ƒÈ_ĂX¼ Èèİ0Ă È ƒnĂ ƒ0Ū ƒİ¼ƒ¼»W [SHIFT] [F2] ¼ƒĂ BøŪY0 ƒ0Bý¼øĂüÈ~»V [] ¼ƒŪ ƒ'ÍnĂŠİvƒÈ»W [F10] ¼ƒĂsŪ ƒ'ĂvĂƒŪa»T ƒ¼¼ƒƒÈ¼QĂ ƒÈ 0 ƒİŪ ƒ ƒİ¼øĂ0Ūİ¼ƒ»T

Ū ƒ ¼Qƒİƒİ¼øĂü»R¼z¼YĂ ¼ [] ƒİŪ ƒ ƒèƒ¼¼ƒ¼QöyŪ Í »T

3.2 Standard CMOS Setup

Ù Øö "Standard CMOS Setup" ÍnŠİvÇË»RıçıYÜ ØöÄİİeÄÖÊ çÖİnŠ»RÀfÜ %ıı
ÎÛ»SËaĐ»%eÖeÖeØ ÄÄÖRÄÖİnŠÇâ»TÄeçèÄæçÁbçè% ÄgÜpË_çéçİËeİØÄ È ÇnÁ ÄÖÜ
Đİ%4ı»RÀRÄeç; [] Äe [] Ä ÜpİnŠSÜ ĐİÄÖËeÖaÇa»T



Standard CMOS à Date

ÄfÄXË'Nbç€İnŠ% ÎÛ»RıçıYÁbçè% ÄgÜpË_çéçİËeİØÄDate ÈeÖaİS»RÀRÄ % []
Äe [] İnŠçıöAvÄÖ% ÎÛ»T% ÎÛÄÖËeÖaÈ À»ÆË% »S% Ä^ Ä•»T

Standard CMOS à Time

ÄfÄXË'Nbç€İnŠËaĐ»»RıçıYÁbçè% ÄgÜpË_çéçİËeİØÄTIME ÈeÖaİS»RÀRÄ % []
Äe [PGDN] İnŠçıöAvÄÖËaĐ»»TËaĐ»ÄÖËeÖaÈ À»ÆË»S%ÜÄ^Æ »RÆ çıY4 %fËa% Ä»Ä
çö»T%QçıÖİnŠÄËËaĐ»Ä^% ÎÛ»RÄTÄÖÇÄÑ†Đ"Ø Ä\%Ä÷ÄRÇÄÑ†İnŠ»T

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	ÀÓÙ ĨıŁİnĂŞĂŧİèÀi ƆpİĂĂŌ IDE İŞŌèÊèŌà»RĂİ ĂfÈvĐ„
User	(Size)»SŌèĤİŌŧCylinder)»SŌèŪĵ Ōŧ(Head)»SŌŞŌàŪŸ(pre-
None	compensation) ĞŌĤpĂ} Cylinder Çă»SŌèŪĵ ĺ ÈĂĒè(Landing
1	Zone) ĞŌ Cylinder Çă»SŌèĒĒŌà (Sector) Ĩĺ»TŊ ĒÈĒ ĒèŌàÇă
2	ĨnĤE Auto Èă»RBIOS ŊĂsĂŧİeÈ Ĺ ĐŋŌ ÀŧĂŌİ Ōİ (POST)
...	Èă»RĂŌÈĂĒŌİ İŞŌİŌèŌèŌ ĞŌType»RĂŸĂs Standard BIOS
45	Setup ƆƆŸĺŏĵi Ăİ»TÇĵ ÈŌİ ƆĂ İŞŌèĂŌŪŷeĂèŊbĂŌĂ ĨnĂŞ
	ÈèŌàÇă»R×èĨnĤE User»TĂfĂXĂŧİeĂŸĺŌÈŧİĂİŠĂ»ŌèŌèŌ »R×è
	È_Ūŷe ĨnĤE None»T
	IDE CDROM İŸĖ ĹŧÈĂĒŌİ ĞŌ»T



İŸĺŏ: Èı ĺz Ăb ĺè ĺŪİv ÇĒĂŌ "IDE HDD Auto
Detection" Ū ĐİĂİĂŌÈĂĒŌİ ĨİĂŞŌĂĂŌ IDE İŞŌèİĥ
È »T

- 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	Ăéĺè Logical Block Address (LBA) ŌİĂ»ĐĂĒvŌ ÈăĺzŸİĂĐĥ
Normal	ŌŪ] 528MB ĞŌİŞŌè»TĺŏĂvĺĂİ ƆĤĂŌDE İŞŌèƆĂŸĂŸİĂ LBA
LBA	ĐĂĒvŌİĂ»»RĂŧŪĂŧÈvĐ„Ă»ĐĤŌŪ] 528MB»TĂfĂXĂéĺèĂŌİŞŌèƆ
Large	İbÈ Ĺ»»ĂĒLBA On »RĬ_ŸĒÉúĺèLBA Off ĞŌ% Ĺ»ĂİĒİĒă»T

AWARD BIOS

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"

Í, Çi Û ÐĪ ççēĀi Û ØöİēÖēĀÖÝ ĀÆR×ēİÖēā¼ ĄŪpĀö Drive A Āē
Drive B ĪS»RĀ [] Āē [] Û ØöāİēĀ»ÖēØ ÆİBĀÖēēōāĀj
ç»RĀpĪñŠÇāĀfçĀ»T

Standard CMOS à Video

Video
EGA/VGA
CGA40
CGA80
Mono

ĀÖ Û ÐĪ ççĪñŠ Āi Āē çèĀÖ By çö çu ĀÆÖR »R Ēē ōā ÖŠ ĪñÇā Æē
VGA/EGA»TçēĀ çòĀVĀÖÇi¼YÖ, Ö¼Āēq¼ĀÖĪhÈ Æ/GA»RĀi çY
Í, Çi Û ÐĪĪi çXĀdĀİ¼ĒÖ çēĪS»T

Standard CMOS à Halt On

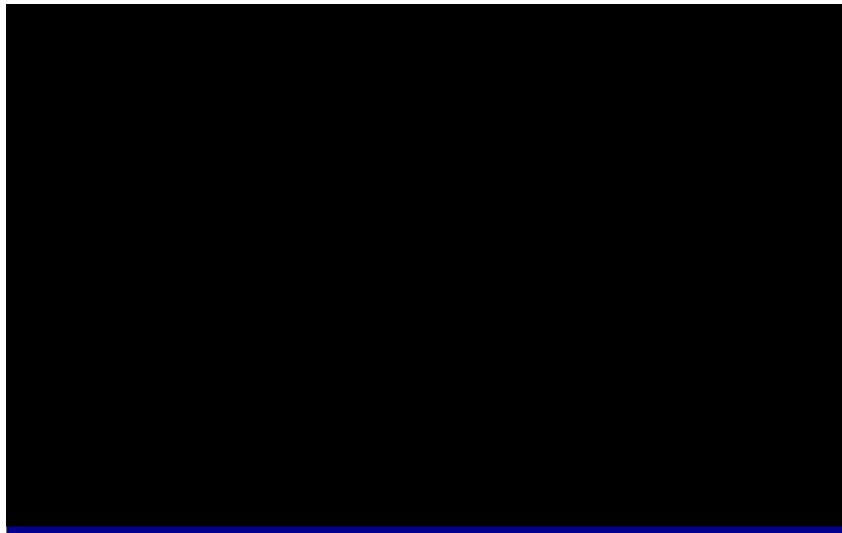
Halt On
No Errors
All Errors
All, But Keyboard
All, But Diskette
All, But Disk/Key

ĀÖ Û ÐĪ ççĒĒĀ ĀĪēĒ Ā ĀöĀöĪ Öi (POST) Ēā»R ĀfĒÖĪ Ā Û Ö•
Æ ĀpÇēĒ¼ ÖSĀQ»TĒēōāÖŠĪñÇāĀAll Errors»RĀ çöĀĪēçÇēĒ
Ī Ā Û Ö•ĀĀf»RĀj ÑĒĒ¼ ÖSĀQ»T

AWARD BIOS

3.3 BIOS Features Setup

ÀfÄXÀs;UÙ Í %@Ù Øö"BIOS Features Setup" ðÏ;ð»RÁj Ñ"ÀsÙYÓ %41Bý;öÀf%F ÌvÇË»X



BIOS Features à Virus Warning

Virus Warning	ÀÓÙ ðÏ;ZÌnÀŠÓ,,Ò%ÉwEÀ0Á%0mú»RÀ`BQÏŠ0èÀ0Ð"Ø ÊéÆ, (Boot Sector) %e%4ÍéÄ (Partition Table) %4Á ÉwEÀZÈqTÀfÈ_Êè0aÍn
Enabled	ÆÈ»QEnable »RÀ ;ö0,,0%ÀsD"Ø ÓJÏ' %@»RÀfÁÍ0 Èa0x%4ÏŠ0èD"Ø
Disabled	ÊéÆ,»RÁÏéAj ÑÈÈ% ÓSAQ»RÁYÑ"ÀsÙYÓ %41; i Ì' ;Y%F Ä0ÐÍÁzÈ00»T

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

AWARD BIOS

BIOS Features à External Cache

External Cache	ÀÓÙ ðĭ ĭzĭ nĀSĀĭ ĩèĀé ĭè ĩP%XD ĭĀđĀ Ē` ØèB (ĭđĀvĀĒĒPBSRAM
Enabled	ĀđĀ Ē` ØèB)»R ĭY ĭĀđÓ, ð%ĀŌĒ Ā ĒĒĭ%TĀ Ē ĩnĀSĒĭ ŌTĀĭ ĩè
Disabled	ĀŌĭĭĀn»RĀĭ ĭYĀđĒĭĒ` Ē_ĒèŌĀĭnĒĒ Enable»RĒ%ĀUĀĭĭèĭ, ĭç%ĀÇ
	ĀSĀŌĀĀĀf%Ā ĩnĒĒ Disable»T

BIOS Features à CPU L2 Cache ECC Checking

CPU L2 Cache ECC Checking	ĭ, ÇĭĒĭ ĭđ ĭçB Ē` ĩnĀSĒĒ ĀpĒĭ ĭè L2 Cache ECC Checking»T
Enabled	
Disabled	

BIOS Features à Quick Power On Self Test

Quick Power on Self test	ĀŌĒĭ ĭđ ĭzĭ nĀSĀĭ ĩèĒ òĭ Āĭ ĀĀĭ òĭ Ēĭ ĭđ ĭđ»R ĭY ĭĀđĀđĀđĀĭ òĭ
Enable	(POST) ĀŌĭ' ĀĀ»TĒĒĒĀŌSĭĭnĀĒĒ Enable»T
Disabled	

BIOS Features à Boot Sequence

Boot Sequence	ÀÓÙ ðĭ ĭzĀ ĀSĀĭ ĩèĒ"Ø ĒĀĀŌNĭĭ ĀĀĀ»TĭSŌĒĀŌYĒĀ` xi (ID) Āf
A,C,SCSI	%f Āĭ ĭđ»X
C,A,SCSI	C: Primary master
C,CDROM,A	D: Primary slave
CDROM,C,A	E: Secondary master
D,A,SCSI	F: Secondary slave
E,A,SCSI	LS: LS120
F,A,SCSI	Zip: IOMEGA ZIP Drive
SCSI,A,C	
SCSI,C,A	
C only	
LS/ZIP,C	

BIOS Features à Swap Floppy Drive

Swap Floppy Drive	ÀÓÙ ðĭ ĭz ĭY%ŌTĀĭĒĀ»ŌĒĒĒ ĀŌĀ ò~»TĀĭ Āf»RÇĭ ĀĭĀü ĭĀĒĀ»ŌĒ
Enabled	ŌĒĒ (A»RĒ) »RĒ' ĭz ĭYĀ ĀSĭP%Q ĭĀĒĒĒĒĒ B»RĭP%X ĭĀĒĒĒ
Disabled	ŌĒĒ A»T

AWARD BIOS

BIOS Features à Boot Up NumLock Status

<p>Boot Up NumLock Status</p> <p>On</p> <p>Off</p>	<p>ÀÒÙ ÐĬ ĵĵĭŃŠŮp×Ĵ ĄĀŌŌàĀ.ŮpĵĶ ĄĕĵĕŌiĀ»»TĒ ĒĕŌaÇāĬŃĒ Or»RĀ ĵĕĵĶ ŌàĀ.ŮpĵĶ ĬSĀ ŌàĀ.Ů ĄĀĀŌR»ŰĴĀXĬŃĒ Of»RĀy ÀsÐ*Ō ĀũĐāĒũĀĕĵĕĬyŌĕĒĒ ĵĵũ»TĒĕŌaŌŠĬŃĶĀĒ On»T</p>
---	---

BIOS Features à Boot Up System Speed

<p>Boot Up System Speed</p> <p>High</p> <p>Low</p>	<p>ĒĶ ĵĵYŮ ŌŏĀĤĒĀŌĒ Ā ĬĤĀŃĒ High Āĕ Low»TĒĕŌaŌŠĬŃĶĀ ĒĒ High»T</p>
---	--

BIOS Features à Typematic Rate Setting

<p>Typematic Rate Setting</p> <p>Enabled</p> <p>Disabled</p>	<p>ÀÒÙ ÐĬ ĵĵĭŃŠĀĕĀ Ē Ůp×Ĵ Ōi ŮŮÇĀ×àŌgŮŌĀŌĵĵũ»TĒ ĀŌĒĕŌa ĬŃĒ Enabled»RĀĤĬĕĀĵ ĵĵĒĬĀ Ůp×Ĵ Ōi ŮŮĬÇĀ×àŌgŮŌĀŌĒĕĀ ĀQ»T</p>
---	--

BIOS Features à Typematic Rate (Chars/Sec)

<p>Typematic Rate</p> <p>6</p> <p>8</p> <p>10</p> <p>12</p> <p>15</p> <p>20</p> <p>24</p> <p>30</p>	<p>ÀÒÙ ÐĬ ĵĵĭŃŠÇĀ×àŌgŮŮp×Ĵ ĀŌĬĤĀŃĒ ĒĒĕŌaÇāĀĒ 6»S»SĬŌ»S 12»S15»S20»S24»S30 Ĭĵĵ»TĀĤĒĕŌŠĬŃĶĀĒĀTĒ 30 ÇiĀ.ŰŌ»T</p>
--	--

AWARD BIOS

BIOS Features à Typematic Delay (Msec)

Typematic Delay	ÀÓÙ ÆÍçèÀíÈÈÀ Ñ Ûþ×]ÍbÇÁ×a0gÚËÈ»RÀ.º0BýçòÀsÙÝÓ
250	¼¼ÀËËÈ»Èþ»RÁÍ250»R250»R500»R750 Á^ 1000 ms»TÓŠ
500	ÍñçàÆÈ 250 ms »T
750	
1000	

BIOS Features à Security Option

Security Option	ÀÓÙ ÆÍçèÀíÈÈÀ Ñ Ûþ×]ÍbÇÁ×a0gÚËÈ»RÀ.º0BýçòÀsÙÝÓ
Setup	ÀÓÙ.º0»T
System	ÀfÄXÍñÆ System»RÄ çòÁÀÒÇÄÑþÈi ÈaÄþìèÈa»RÍ¼ÑÇÈÁUÙ ¼¼È\×i »T¼ç¼»RD¼¼BIOS Setup Í'À»Èa»R¼¼ÑÇÈÁUÙ ¼¼È\ ×i »T ÀfÄXÍñÆ Setup»RDÄÑ"ÄsDz¼¼ BIOS Setup Í'À»Èa»RÇÈÁUÙ ¼¼¼¼È\×i »T¼fÇÈÁ È È\×i çñú»R×èÙ ØöçUÙ Í ÄPpassword Setting" ÆÍçè»R¼¼ÇÈÙ ¼¼ç À Ò Èa»RÄ ¼f<Enter> ÛþÁj ç»T

BIOS Features à PCI/VGA Palette Snoop

PCI/VGA Palette Snoop	ÀÓÙ ÆÍçèÀíÈÈÀ Ñ Ûþ×]ÍbÇÁ×a0gÚËÈ»RÀ.º0BýçòÀsÙÝÓ
Enabled	ÀfÄXÍñÆ»À ÁŠÚc»R¼¼AoÚÍç À ÁYÓÙçYÛñÁ\Æþ×P»T ÀfÄXÈ'Às PCI Ûi çcÖè¼¼ÀŠÍ»Äü¼¼ AaÖa×iÄü×]À Á"ÄÖÛi çcç¼¼Àf»X MPEG çuÄèÖ¼¼ÖÍÈÑÈÖçu)»Rçž_Ù ÆÍÍñÆ Enabled»RÓŠÄÖÛi ççç¼¼Æþ×P»T
Disabled	

BIOS Features à OS Select for DRAM > 64MB

OS Select for DRAM > 64MB	ÀfÄXÈ' Àéçè OS/2 ÁQÑ•ÄþÌè»RÄÝçSÈ` Øèß ÈvD.,Dh Ó] 64MB»Rçž_ÈèÖaÇÁÍñÆ OS/2»RÁpÁy×èÙ Non-OS/2»T
OS/2	
Non-OS/2	

AWARD BIOS

BIOS Features à Video BIOS Shadow

Video BIOS Shadow	Ài Ûñ VGA BIOS Shadow Æ È ÆyçöçuÄÖBIOS Ò Èà×ãÖ†
Enabled	Às DRAM È` Øèß %RççlÁðÄñeÄÖÈ À ÈDÌ%RÄñÈ DRAM
Disabled	ÄÖÄ†Ä Í†Äñ% ROM ÚóÄð»TÈèÖaÍñSÇaÆ Enabled»T

- 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	Í, ÁáÀ Á"Æ È` Øèß Á` ÉuÏÖÛi çççuÄéçèÄÖ»TÄfÄXÙ Øö
Enabled	Enabled»RÄñÈÑÈ_Ûi çççuÄÖ ROM Code ×àÖ†%Qç Ä çU
Disabled	È` Øèß (DRAM) ÈéÈ %RÄÖÄöÍ_ÖóÆShadow»RççÖWÄ Ò
	ÄðÄÖÍSÌ' Í†Äñ»T Çj È' %Ä ^ Ñ»Ûi çççROM Code ÄÖÄ Á"ð
	Èà»RççÈ_ÈèÖaÍñÆ Enabled»R% Ò ÉuÄ` ÝiÖ Æ^ Ä ÄiÄÍÄÖ
	ROM Code»RÄ È Ð` È` Øèß »T



ÄqÑ_: F000 Ä^ E000 À Á"Æ È^Ä Ä` ÉuÏÖ BIOS Code Ó Æ%Äçè»T

AWARD BIOS

3.4 Chipset Features Setup

"Chipset Features Setup" $\text{ÅĒ} \zeta \text{U0} \text{ \AA} \text{ \AA} \text{ÖİÖ} \% \text{ İi} \text{ĤŸ} \zeta \text{ñúÍn} \text{ĀŠ} \text{»RÍ,} \text{Āá} \zeta \text{ñúÍ,} \text{Ēq0a0,} \text{0} \% \text{ \AA} \text{ÖĒ} \text{ \AA} \text{ ĒPĒúĀÍŸ} \text{ »T}$

ROM PCI/ISA BIOS (00000006)	
CHIPSET FEATURES SETUP	
AWARD SOFTWARE, INC.	
Auto Configuration	: Enabled
DRAM Speed Selection	: 60ns
MA Wait State	: Fast
EDO RAS# To CAS# Delay	: 3
EDO RAS# Precharge Time	: 4
EDO DRAM Read Burst	: x333
EDO DRAM Write Burst	: x222
SDRAM(CAS Lat/RAS-to-CAS)	: 3/3
SDRAM RAS Precharge Time	: 3 T
DRAM ECC Function	: Disabled
CPU-To-PCI IDE Posting	: Enabled
Video BIOS Cacheable	: Disabled
Video RAM Cacheable	: Disabled
8 Bit I/O Recovery Time	: 4
16 Bit I/O Recovery Time	: 1
Memory Hole At 15M-16M	: Disabled
Passive Release	: Disabled
Delayed Transaction	: Disabled
AGP Aperture Size (MB)	: 64
Pentium II Micro Codes	: Enabled
***** Jumpless Setup *****	
Manufacture Freq Default	:
System Frequency	: 233 MHz
ESC : Quit ↑↓→← : Select Item	
F1 : Help PU/PD/+/- : Modify	
F5 : Old Values (Shift) F2 : Color	
F6 : Load Setup Defaults	
F7 : Load Turbo Defaults	



$\text{ĀqN} \text{ :} \text{ \AA} \text{Á} \text{ B} \text{ö} \zeta \text{ \AA} \text{ \AA} \text{ñŠĀv} \text{»R} \times \text{é} \text{x} \text{ĀŠĒ} \text{ '} \text{Ē} \text{ Ā} \text{p} \text{0} \text{ \AA} \text{,} \text{Ā} \text{á} \text{ Ā} \text{Ī} \zeta \text{0} \text{Ā} \text{Ö} \text{Īn} \text{ĀŠ} \text{Ā} \text{0} \zeta \text{ \AA} \text{R} \text{0} \text{Ē} \text{»R} \text{Ā} \text{p} \text{Ā} \text{y} \% \text{ \AA} \text{ÖR} \text{N} \text{ \AA} \text{Ö} \text{Īn} \text{ĀŠĒ} \text{ '} \text{Ā} \text{ \AA} \text{ |} \text{ \AA} \text{ \AA} \text{ \AA} \text{ \AA} \text{ \AA} \text{ÖĒ} \text{ \AA} \text{ \AA} \text{ Ā} \text{ñ} \text{»R} \% \text{ĉ} \text{a} \text{N} \text{ "0} \% \text{B} \text{e} \text{Ā} \text{Ī} \text{Ē} \text{Ā} \text{Ö} \text{Ÿ} \text{Ā} \text{Š} \text{Ā} \text{»T}$

AWARD BIOS

Chipset Features à Auto Configuration

Auto Configuration	ÍñŠÀ0Ù Ðİ»RÀİèÑ`Áa06 CPU Ä0 Type Ä^Timing Äi ÇÄ
Enabled	Ñ†×i 0y DRAM Ä^ Cache Ä0Çä»TÄfÄXÑbÇ€Àö%ÍñŠ
Disabled	DRAM Timing»R×ê¿ Ä È À0ĐİÍñŠ»T

Chipset Features à DRAM Speed Selection

DRAM Speed Selection	À0Ù Ðİ¿¿ñŠ DRAM timing ÆÈ 50ns Äè 60ns»T
50 ns	
60 ns	

Chipset Features à MA Wait State

MA Wait State	Èi¿èÄèÄ È %QÇiMA (DRAM memory address) İ¿Ä÷ÄÆ
Slow	0R»T0ŠÍñŠÄ Slow»RÄfÄXÇİ ÄöÇÄ (chip 0àÐ, 0 Äy)
Fast	Äè DRAM Í†Äñ0 0TÄ00ö»R¿¿ñÆ Fast»T

Chipset Features à EDO RAS# to CAS# Delay

EDO RAS# to CAS# Delay	¿èÄíÍñŠ RAS (row address strobe) 0a CAS (column address strobe) Èe00Ð»Ä0İ¿Ä÷ÄÆ0R»T
2	
3	

Chipset Features à EDO RAS# Precharge Time

EDO RAS# Precharge Time	¿èÄíÍñŠ EDO RAS Èe00Ä0 Precharge ÈäÐ» (¿Y clock Çf0à)»TPrecharge ÆÈ RAS 6Ä0xÈäÁQÄvÄ0ÑáÍàÈäÐ»»T
3	
4	

AWARD BIOS

Chipset Features à EDO DRAM Read Burst

EDO DRAM Read Burst x333 x222	Read Burst ÀÔÑ_ÀpÆ CPU BÄÄ 0 ÈaÈa»Rj^Èvzi %QÇiÀ Á"Èe00»RÀ DRAM È0060ŠŠÄSÄ0À Á"AgCPU Èvzi 4 ÇiÍ† P ÄÔÈ`0eB 0 Èa»TÓŠÍrÇaÆ x222»RÆ Á ÌP»SÍB»R%e ÌP 4 ÇiÈ`0eB 0 Èa0=Èa2 clock»RØRjèÄ Í†ÄnÆ 60ns Ä0 EDO DRAM»Tx Ä0ÇaÄ Ä^Ä ÌP%QÇmemory cycle Ä0Èa D»»T
--	--

Chipset Features à EDO DRAM Write Burst

EDO DRAM Write Burst x333 x222	Write Burst ÄÔÑ_ÀpÆ CPU È0060ŠŠÄSÄ0À Á"Öxi4 ÇiÍ† P ÄÔÈ`0eB 0 Èa»RÀ j^Èvzi ÌP%QÇiÀ Á"ÍDRAM»TÓŠÍr ÇaÆ x222»RÆ Á ÌP»SÍB»R%eÌP4 ÇiÈ`0eB 0 Èa0=Èa2 clock»RØRjèÄ Í†ÄnÆ 60ns Ä0 EDO DRAM»Tx Ä0ÇaÄ Ä^Ä ÌP%QÇmemory cycle Ä0ÈaD»»T
---	---

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

SDRAM(CAS Lat/RAS-to-CAS) 2/2 3/3	Ä0Ü ÐÍjZÍnŠ SDRAM CAS Latency Ä^RAS 0 CAS Ä0ÍjÄ=ÈaD»»TÍ, ÄaÍnŠÇaj0%Be SDRAM Ä0È Ä ÄÄP»R ÓŠÍrÇaÆ 2 clocks»RÄfÄXÄŠ0aÄü»BDRAM ÄÍ%ÄÈvÄ0 È»Äe»R×eÈ_2/2 Ä ÄÈ 3/3»T
--	--

Chipset Features à SDRAM RAS Precharge Time

SDRAM RAS Precharge Time 2T 3T	jèÄÍÍnŠ SDRAM RAS Èe00Ä0 Precharge ÈaD» (jY clock Çf0à)»IPrecharge ÄÈ RAS BÄ0xÈaAQAvÄ0NäÍaÈa D»»RÓŠÍrÇaÆ 3 clocks»T
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AWARD BIOS

Chipset Features à DRAM ECC Function

DRAM ECC Function	çèÁí Èì çèÀèÀ È DRAM ECC çnú»T
Enabled	
Disabled	

Chipset Features à CPU-to-PCI IDE Posting

CPU-to-PCI IDE Posting	çèÁí Èì çèÒaÀ È CPU À PCI IDE ÄÖ×Š×ÐÈé (FIFO buffer)»TCPU ÖxÄö IDE ÄÖÖ ÈàÑç Ä†ÀsÄÓ FIFO %Ö»RAR ÄæÁáÖx%Ä HDD»TÄfÄXÈ'Í,Ì' ç À %ÄÆÈvÄÖÌ' ÐY»RçZY ÖÜÖíÝ ÈÖÄÖçnú»T
Enabled	
Disabled	

Chipset Features à Video BIOS Cacheable

Video BIOS Cacheable	ÀÖÜ ÐÏçß Ö%ÖÍ BIOS Ä×ÈÏÈ,,ÁðÀ È` Øeß Èi Èä»RçÍí†† ÌèÄÖÈ À Í†Äñ»T
Enabled	
Disabled	

Chipset Features à Video RAM Cacheable

Video RAM Cacheable	Í, ÇíÛ ÐÏççèÁíÁðÄ Video RAM A000 Öa B000»T
Enabled	
Disabled	

Chipset Features à 8 Bit I/O Recovery Time

8 Bit I/O Recovery Time	Áí%QÄáð ÜÜÄÖ/O ÎÓ% »RAsÈ À ÁÓ%QÇí/O Äcç` Äü»RÖ÷ Ç€%QÇíÍpÇ ÈäD»»R%ÉúÁRÞ•Þ È À %f%QÇÖ Äcç` »Tçè Á çòÁvÄÖ CPU Á^ ÎÓ% ÌìÍ%Æ_I/O ÄÖÍSÌ' Í†ÄñçLÁð»RÁé È,Í, ÄaÜÜÄÆÄÖ ISA Íñáð÷Ç€çLÁðÍpÇ ÈäD»»TÄÖÜ ÐÏçß È'Á ÄŠÑ ISA çuÆ 8-bit Èa»R/O Äcç` ÀoÚÍÍÓÄ†èÄì Ò÷Ç€ ÄÖÍpÇ ÈäD»»TÄfÄXÈ'Í,Ì' ÄiÄŠÖaÄÖ16-bit ISA çuÄÍ%ÄÆ ÈvÄÖÈ»Äè»Rççðì ÍöÄÄÄ I/O Ípç ÈäD»»TBIOS ÖSÍñçæ 4 ISA clocks»TÄfÄXÈ ÈèÖaÇaÍñÈNA Èa»RÍÓ% ÌìÑ'ÄöÈä Û %Ä 3.5 ÄÖÄ†èÈäÈü»T
1	
2	
3	
4	
5	
6	
7	
8	
NA	

AWARD BIOS

Chipset Features à 16 Bit I/O Recovery Time

16 Bit I/O Recovery Time	ÀÓÙ ÐĬ ĴĬŃŠ ISA ĴuÆ16-bit Èã»R/O ĀcĴ` ÆoŪĬŌĀĬÈ
1	Āi Ō÷ÇĒŌĬpÇ Èã»»TĀfĀXĒ`Ĭ, Ĭ` Āi ĀŠŌaĀŌ16-bit ISA Ĵu
2	ĀĬ%ÆĒvĀŌÈ»Āe»RĴđĬĬŌĀĬĀ I/O ĬpÇ Èã»»TBIOS ŌŠ
3	ĬŋÇãÆ 1 ISA clocks»TĀfĀXĒ`ÈeŌaÇãĬŋÆNA Èã»RĬŌ% ĬiŃĀŌÈãŪ % 3.5 ĀŌĀĬÈÈãÈu»T
4	
NA	

Chipset Features à Memory Hole At 15M-16M

Memory Hole At 15M-16M	ÀÓÙ ÐĬ ĴĬ` ÈuĀĬÈ` ŌeB ÈeÈ ĬŌĀ ĀŠĀŌISA ĴuĀéĴ»RĴYŪŋ
Enabled	Ā`È` ŌeB Æ»P»TĬŌ% Ĭi ĴĬ,,ĀŌÈÈÈ ÈĬĀÆĀ×ÈĬĴèISA bus
Disabled	ĐãŪ ŌĴĀĬĀŌŌ ÈãĀ^ ðè×i »TĬ,,ÈqRĀŌÈÈÈ Æ` Ā` ÈuĬŌ Ĵu Ō` Ā` ĀéĴè»T

Chipset Features à Passive Release

Passive Release	ÀÓÙ ÐĬ ĴĬB È` ÈÈĀ PĬX4 ĬŌ% Ĭi (Intel PCI Ō ÈĬ ISA) ĀŌ
Enabled	ĬbÈãĐãŌŌĴŋú»TĀŌĴŋúÆ ĬbĀéĴèĀsĀĬÈŌ[Ā ISA ĴUĐŋÈã
Disabled	ÆĬ`%ÇĀĬŪ »TĀfĀXĒ`ĀŌISA ĴuĀĬ%ÆĒvĀŌÈ»Āe»RĴĴYŪŋ òĬĴŷĬŋŠĀeĀ È »T

Chipset Features à Delayed Transaction

Delayed Transaction	ÀÓÙ ÐĬ ĴĬB È` ÈÈĀ PĬX4 ĬŌ% Ĭi (Intel PCI to ISA
Enabled	bridge) ĀŌĀĬŪ Ĵ` Ā Ĵŋú»TĴèĀ PCIĀŌŌ ÈãĐãŪ Ń% ISA
Disabled	bus Āđ»RĀfĀXĒ`ĀŌISA ĴuŃĀĬ%ÆĒvĀŌÈ»Āe»RĴĴYĬŋŠ ĀŌĴŋúB PCIĀŌĐãŪ ò ÈãĀĬŪ »T

AWARD BIOS

Chipset Features à AGP Aperture Size (MB)

AGP Aperture Size (MB)	Í, ÇíĐĪ çò çèÁíÁ^ ĀŠAGP ò ÈàĐaŌŌÈeÈ ÄŌ%4%4»T
4	
8	
16	
32	
64	
128	
256	

Chipset Features à Pentium II Micro Codes

Pentium II Micro Codes	ÄŌ microcode Æ çèÁíÇñ ç ÛCPU ÄŌ bug»RÈ{ÈaÄòĐÍÈ· Û
Enabled	Ōö Enabled»T%4Ō] Çj È· ÁaÈ ÀÍŌ ÈÄÄŌÍ†Äñ»R ç ç YÄì Ō' Û
Disabled	Ōö Disabled»T

Chipset Features à Manufacture Frequency Default

Manufacture Frequency Default	Í, ÇíĐĪ çò çèÁíÁÈ` Û CPU ÄŌÈ` ç ÛhÌ%ŌTÑ Đ"Ō ÈäÄ
Depends on the CPU type	%f "Home" Ūp»RĪ_ÑÄoĪpÄ Ä Í, Çí ŪhÌ%ŌTŌŠĪñ ç Ä233 Mhz»RÇÉÁ BŏÍ, Çí Çä»R ç ç YÄé ç è flash.exe Í, Çí %Ä ÄyĪ' Ä»»T

Chipset Features à System Frequency

System Frequency	ÄŌĐĪ çò çèÁíĪñŠ CPU %ŌÍ»ŪhÌ%ŌRÇj È· ÑbĪñÈÄ` ÄŌÇä»R
233 Mhz	ç ç YŪ "Manual"»RĪ^ Äü%ŪÁ` ĪñŠ ç Y%Ä ÄŌ' CPU Clock
266 Mhz	Frequency " %è "CPU Clock Ratio "»T
300 Mhz	
333 Mhz	
Manual	

AWARD BIOS

Chipset Features à CPU Clock Frequency

CPU Clock Frequency	Í, Çí Û ðÏ ç è Áí Í Ñ Š ç • Ú ħ (bus clock) » R ç ð Á v ç Á Ç È % 4 ħ % Š Á Ĥ ., Á Ô Klamath CPU Í % Æ ç è 66.8 Mhz » T ç Y Á ù Ñ † Á Ô CPU Í ñ Á Š % Ä Í % 4 / 0 ä / 1 5 ä » R Á i ç Y × e È è 0 ĩ ' Á Ô CPU 0 » Ä È è » T
66.8 Mhz	
68.5 Mhz	
75.0 Mhz	
83.3 Mhz	

Chipset Features à CPU Clock Ratio

CPU Clock Ratio	Intel Pentium II (Klamath) Á Ô % Ô Í » (È ð % ĩ) 0 a ç • Í » (Bus) Ú ħ Í % Á Ý % 4 / 1 5 ä » R Í, Ç í Û ð Ï ç ç è Á í Á Á Š Core/Bus Á Ô % Á i » T 0 Š Í ç ä Æ 3.5x » T
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	

AWARD BIOS

3.5 Power Management Setup

Power Management Setup : Disabled
PM Control by APM : Yes
Video Off After : Standby

ROM PCI/ISA BIOS (00000006) POWER MANAGEMENT SETUP AWARD SOFTWARE, INC.		
Power Management	: Disabled	** Reload Global Timer Events **
PM Control by APM	: Yes	IRQ[3-7,9-15],NMI : Enabled
Video Off After	: Standby	Primary IDE 0 : Disabled
Doze Mode	: Disabled	Primary IDE 1 : Disabled
Standby Mode	: Disabled	Secondary IDE 0 : Disabled
Suspend Mode	: Disabled	Secondary IDE 1 : Disabled
HDD Power Down	: Disabled	Floppy Disk : Disabled
Modem Wake Up	: Disabled	Serial Port : Enabled
Lan Wake Up	: Disabled	Parallel Port : Disabled
Suspend Mode Option	: PowerOn Suspend	
VGA Active Monitor	: Enabled	
Power Button Override	: Enabled	
RTC Wake Up Timer	: Disabled	
** Break Event From Suspend **		ESC : Quit ↑↓ : Select Item
IRQ 8 Clock Event : Disabled		F1 : Help PU/PD/+/- : Modify
		F5 : Old Values (Shift) F2 : Color
		F6 : Load Setup Defaults
		F7 : Load Turbo Defaults

Power Management à Power Management

Power Management
Max Saving
Mix Saving
User Define
Disabled

ÀOÙ ĐĪ : Disabled
Ó, ÓĐĪ : In User Defined
User Defined : Disabled
User Defined

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

AWARD BIOS

Power Management à PM Controlled by APM

PM Controlled by APM	ÀfÄXÙ 00"Max Saving"»RÎ_çzYB Äîè%pÎÄDzçÓ,,Ñ×0ø
Yes	Ï' (APM) çñú»RçlË{ÆóÓ,,0øÏ' çñú»TÄiÀ»XÈÈ% CPU %0
No	Í»ÈäÉúÓSÁQ»T

Power Management à Video Off After

Video Off After	ÀÓÙ ðÏ çzñÁŠBýçö00Ñ"ÀsÀ 0ðÆóÓ,,0iÀ»%FÝ ÍÆYÓ »T
N/A	
Doze	
Standby	
Suspend	

Power Management à Doze Mode

Doze Mode	ÀÓÙ ðÏ çz È' ÍñŠÄîèD%ç0èÉ%0iÀ»Ä0ÈäD»TÀsÀ00iÀ»
Disabled	%F »RCPU Ä00SÁQÈäÉuÑ"Bo0T»TçèÄ ÄîèÈ AsÍ,,Ó,,ÄÆ0R
1 Min	%ç»RÄi çYE0Ï Ä ç À ÈäÁQÈä»RÍ\Ä"çùAj Á ÍpÄ çÜÈqÄÆ0R
2 Min	%F »TÄîèÈ Üáçè0äÏ IRQ Èe00ÄiÈ0Ï È»Èä»T
4 Min	
8 Min	
12 Min	
20 Min	
30 Min	
40 Min	
1 Hour	

AWARD BIOS

Power Management à Standby Mode

Standby Mode	ÀÓÙ ÐĬçž È· ĪñŠĀĪĒÐç¼ĬçÀ=ŌiÀ»ÄŌÈäÐ»TÀsÀŌŌiÀ»
Disabled	¼f»RŊĒi Èä CPU ÄŌŌSÁQÈäÈuBoŌT»RĪŠŌeŌaÈÈBÄÄ ÈäÁQ»R
1 Min	ÛÝŌ Ý ĪÆĬçžñú»TçĕÄ ÄĪĬeÆ ÀsĪ„Ō„ÄÄŌR¼¼»RÄi çYÈŌĪ
2 Min	Ä ç À ÈäÁQÈä»RĪ¼ŊçúÁj Á ĪpÄ çÛÈqÄÄŌR¼f»TÄĪĬeÆ Üä
4 Min	çĕŌäĪ IRQ ÈeŌŌÄiÈŌĪ Æ»Èä»T
8 Min	
12 Min	
20 Min	
30 Min	
40 Min	
1 Hour	

Power Management à Suspend Mode

Suspend Mode	ÀÓÙ ÐĬçž È· ĪñŠĀĪĒÐç¼ŌäÈÈŌiÀ»ÄŌÈäÐ»TŌäÈÈŌiÀ»
Disabled	ÄŌĪñÄŠÄĪ Power On Suspend Äè Suspend to Hard Drive ĪçŌiÀ»»T
1 Min	
2 Min	
4 Min	
8 Min	
12 Min	
20 Min	
30 Min	
40 Min	
1 Hour	

Power Management à HDD Power Down

HDD Power Down	Ŋ ÄĪĬeÐç¼¼ŌŌ„ÄÄŌRÈä»RÀÓÙ ÐĬçž È· Ä ŠS IDE ĪŠŌeÈÈ
Disabled	¼ ŌSÁQÄŌÈÈä»»TçŌÛ ÐĪŌ=ÈĪÄi ÄpçÄĪçÀ=ŌiÀ»Ä^ ŌäÈÈŌiÀ»
1 Min	ÄŌĪñÄŠçäÄiÄŠ»T
.....	
15 Min	

AWARD BIOS

Power Management à Modem Wake Up

Modem Wake Up	Í‘Ó] AOpen ÄÖÉdÈ x^Ò ÍrÇf»RÍ, Ð çUØ Ä` çzYÄoÊaÊÖ
Enabled	Î Öa060 ÄÖÊeÖ0»RÄYçzDxçè ATX Soft Power ÄoÊaD”
Disabled	Ø »RÍ, ÐÍçmúÄUÊqØRÄi çèÄíÖi ÚÜDáÉ`Ø ÖaÍÄÜ Ø »TÖaDá

È Green PC suspend mode ¼ÄaÄÖÆ` »RÄÏèçzYÉ` çÜ
 Ý Ø (ÄaÜp¼ Ä»Æ` ÚaÆuÓ,,Ñ»ÄeÚÍØÓÄÇÑÈÈÆ` ÄpÈÈ¼ ÓS
 Úú)»Tç`•ÈIÄ»Äe%ÖÈIÄ»Öa06çU (AOpen MP56/F56) Í½çz
 çY%PÍÄmodem ring-on ÄÖçmú»R¼Ä] ÄoÇæÄoPÍÈ` ØÄçZÉU
 ÈDçè MP56/F56»RÄmÆ MP56/F56 ÄÍÉdÈ ÄÖÖ,,Ò ÍrÇfçz
 çYÖaçUØ Ä` ÁÓÆ ÄÖÑVÈ»RÑ ÄÏèY Ø Èa»R¼Ä-ÇÈÄ çèYS
 ç`ÄÖÖ,,Ñ»»T

Power Management à LAN Wake Up

LAN Wake Up	Í, ÇiÐÍçòçèÄí ÍrÄŠÆ` ÄpÈi çè LAN Wake Up çmú»T
Enabled	
Disabled	

Power Management à Suspend Mode Option

Suspend Modem Option	çÖÄÏèI½Äe¼f ÄT%XÖòsuspend ÖiÀ»»RÄeÈ` È À Æó,,ÖöI`
PowerOn Suspend	çmú»TÑ ÄÏèDz¼ Power On Suspend Æó,,ÖiÀ»Èa»R
Suspend to Disk	ÐaÈèÄÖ Green PC ÑBöÄÄÖaÈa¼¼¼ ÄÄÖR»RCPU ÈaÈuÈÈ¼

ÓSÜu»RÄi ÄÍÄÖÍnÍà¼nÍ¼Í ÍÆ»T¼Ä] ÄÏèÑ`Ä` Ä Í,,Ö,,ÄÆ
 ÖR»RçYÄ`Öa060 »SÜp×]»SÄeÑaÓÁÈÖÍ Ä Æ»ÈaÈa»RçzYÈÄ
 ¼rÄ ÍpÄ çÜÊqÖi À»¼¼Tçç`•»RÖäÍ IRQ ÄÖÆ»Èa¼çzYB
 ÄÏèÖaÈÈÖi À»Ä ÄoçÜÊqÖi À»»T Suspend to Disk çzYÄs
 ÖaÈaY Ø Äv»RÈ ÄÏèÄÄÖR»RÈ` ØeB Ä^ ÜYÓ Ø%ÖÍYÜ<ÄtÄs
 ÍSÖe¼¼RÑ Ó,,Ñ»ÇÄÑtD”Èi Èa»RÄÏèI_Ñ`Ä ÄoÄ È`Ç ç ¼
 ÄQÄÖÄÄÖR¼¼TÈ` çÏÖ-ÄeçèAOZVHDD ¼çèI` Ä»ÄíÄ` Èu
 ÍSÖèÄBÐ»»T

Power Management à VGA Active Monitor

VGA Active Monitor	ÄÖÜ ÐÍçZÈÖÍ VGA Býçö00ÄsÆó,,ÄÄÖRÈaÄÖÈaÄQ»T
Enabled	
Disabled	

AWARD BIOS

Power Management à Power Button Override

<p>Power Button Override</p> <p>Enabled</p> <p>Disabled</p>	<p>Í,Æ ACPI %ÄÖÍhÈ %Á%Q»TN Û 0Enabled Èà»RÁv% ÇÈ</p> <p>Ä` %hÄËsoft power switch çzYçèÁiÈÈÄ ÄÏÈÐ"Ø »SÖaÈÈ</p> <p>(Suspend) ÄeÝ Ø »TÄsÐ"Ø ÄÖÄÄÖR%f»RÇj Á %Switch»R</p> <p>çSÈÄ»%DÄ 4 Æ »RÄÏÈÄ\NÐ% Suspend ÖiÄ»»WÇj Á</p> <p>%ÄÖÈÄ»ÐhÓ]4 Æ »R ÄÏÈÄ\NÝ Ø »TÖŠÍÄÖÄÄÖR%f Æ</p> <p>Disabled»Rsoft power switch ç`ÉúçèÁiÐ"Ý Ø »RÄdÄÍ</p> <p>Suspend»RÄi çY%ÄdÄÍ 4 Æ ÐÜÄÖÇÇÄ »T</p>
--	--

Power Management à RTC Wake Up Timer

<p>RTC Wake Up Timer</p> <p>Enabled</p> <p>Disabled</p>	<p>RTC WakeUp Timer çzYB È`Ä ÄŠ%QÇiÉdÄŠÄÖ% ÎÈä</p> <p>Ð»»RÄÏÈÄNÄsÍ, ÇiÈäÐ»àöÈäÐ"Ø »T Í, Çi% ÎÜ /ÈäÐ»Æ Äs</p> <p>WakeUp Date (of Month)" %è "WakeUp Time</p> <p>(hh:mm:ss)" Û ÐÏ%Ä ÄŠÄÖ»T</p>
--	--

Power Management à WakeUp Date (of Month)

<p>WakeUp Date (of Month)</p> <p>0</p> <p>1</p> <p>.....</p> <p>31</p>	<p>ÈÏÄi "RTC WakeUp Timer" Û ÐÏÄéçè»RçèÄiÄ ÄŠÄTÇi%</p> <p>%ÄÖÈ% Q%è»TÄi Ä15 Î_ç_Ä ÄTÇi% ÄÖÄÖ 5 ÖÖ»RÍÄÈ 0</p> <p>Äyç_Ä ÄT%Q%è»T</p>
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×èÄqÑ: È ÄÖÐÏçòÍÄÈ 0»RçzÄéÄÏÈÄT%èÄsÄa%Q

ÇiÈäÐ» (çzçè WakeUp Time Ä ÄŠ) àöÈäÐ"Ø »T

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

<p>WakeUp Time (hh:mm:ss)</p> <p>hh:mm:ss</p>	<p>ÈÏÄi "RTC WakeUp Timer" Û ÐÏÄéçè»RçèÄiÄ ÄŠÄöÈäÐ"</p> <p>Ø ÄÖÈäÐ»TÄpÈ Ä»ÆÈ hh:mm:ss»R×èÄqÑ_Äp%ÄÄÖÄ</p> <p>çö% Ä»ÆÈ 1 Ä 24»T</p>
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AWARD BIOS

Power Management à IRQ 8 Clock Event

IRQ 8 Clock Event	ÀÓÙ ðĭĵĭńššĀĭĕĀsĀó,ŌiĀ»%f»RŌāĭ IRQ8 (RTC) ĀŌ
Enabled	Ā»Ēā»IOS2 ņŌ IRQ8 (RTC)»QŠĪŪ»Āĭp»RĀfĀXĪŃ»Q8
Disabled	ĀŌĵĭń»RĀs OS2 ĀQŃ•Āĭĕ»%f»RĵĒŪĭĀ Dz%ŠĪŃšĀĕĀŌ
	Āó,ŌiĀ»%»T

Power Management à IRQ [3-7,9-15],NMI

IRQ [3-7,9-15],NMI	ĀĭĕĀsĀó,ŌiĀ»Ēā»RĵĒĵĀĵĕĀŌÙ ðĪĒŌĪ IRQĪ,Ō Ā^NMI
Enabled	%ĀĭpĒ ĀpĀĪĵ Ā Ā»Ēā»TĒ_ĀŌÙ ðĪĪŃĒEnabled»RĀfĒ,Ī,,
Disabled	Ō %ĒŌĪ Ā ĵ Ā Ā»Ēā»RĀĵ ņĪ Ū Āĭĕ»RĀŷB ĀĭĕĀ ĀoĵŪ
	ĒqŌiĀ»»T

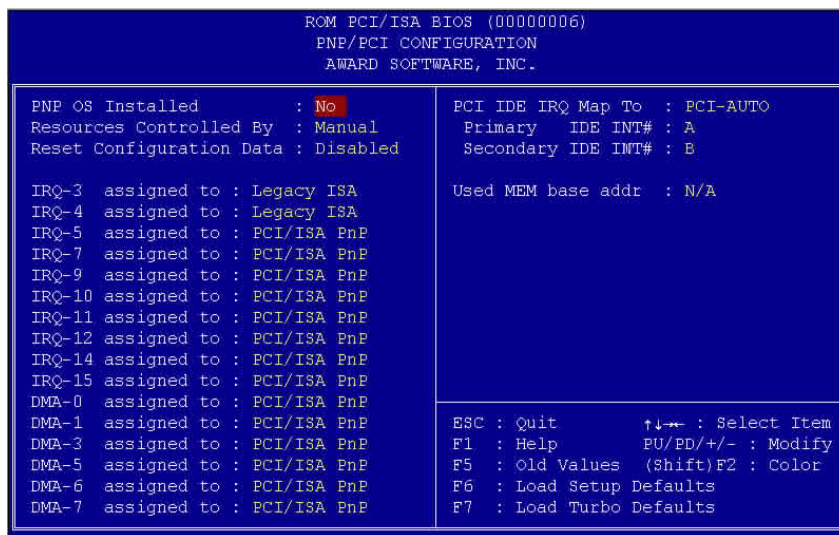
- Power Management à Primary IDE 0
- Power Management à Primary IDE 1
- Power Management à Secondary IDE 0
- Power Management à Secondary IDE 1
- Power Management à Floppy Disk
- Power Management à Serial Port
- Power Management à Parallel Port

Primary IDE 0	Ī,ĀāŪ ðĪĵĭńššĀĕĀ Ē ĪŃĀĒŌĪ ĵĭń»TŃ ĀĭĕĀs IDE ĪŃ
Enabled	Ī»RĪĒŌĕŌ »RĀŷĀTĒ »RĀĀĀTĒ ĀsĀó,,ĀĀŌR%ĀŌĀ»ĒĀĒ»Āĕ»T
Disabled	ĀfĀXĪ,ĀĀĪŃĀĪbĒŌĪ Ā ĀĪBĀŌxĀĕ I/O ĐāŪ ĀŌĒĀĀQ»RĪ_Ń»
	Ē,,ŌāĒĒŌiĀ»Ā ĀoĵŪĒqŌiĀ»»T

AWARD BIOS

3.6 PNP/PCI Configuration Setup

PNP/PCI Configuration Setup ıB È İñŠÄİè%ÄÖ ISA Ä^ PCI İñà»TÀfÄXÀsıU
 Û İ %ÄÖ 06 "PNP/PCI Configuration Setup" Đİıò»RÁj ÑÀsÜYÖ %ıByıöÄf%f İvÇÈ»X



PNP/PCI Configuration à PnP OS Installed

PnP OS Installed	İ „Èq»RÄİİèAsÈ À POST Èà»RÑÈ İBÄi ÜYİ»Áj ı(PnP)
Yes	ÄÖİñáı „ÄÖ BIOS»TÀfÄXÈ ÄeıeÄyÄİ PnP ıñúÄÖÄQÑ•Äı
No	İè (Äf Windows 95)»Rİ_ııYÈ_İ, ÇıÜ ĐİİñÈYes»BIOS İ_ÑİñŠÜYİ»Áj ıèÄÖıñúÄİ Èİ Èäİñà»RÄf VGA/IDE Äè SCSI İıÜi ıCıu»T

PNP/PCI Configuration à Resources Controlled By

Resources Controlled by	È ÄÖÜ ĐİİñÈ Manual»RıB ÄeıèÄæÈ ISA Ä^ PCI İñà %ÄÄ Ä ŠÄİ Ö=ÄÖRQ Ä^DAM»TÀfÄXİñÈ Auto»Rİ_ÑÈİ ÈäÄöÈäİñŠıñú»T
Auto	
Manual	

AWARD BIOS

PNP/PCI Configuration à Reset Configuration Data

Reset Configuration Data	ÀfAXË'Ài ÀŠ0aÄ0ISA çuAdAI PnP çmú»RĪ_0=Ç€Á ŠSIRQ
Enabled	Áe»RĪ_çZĒ_À0Ū ĐĪĪnÆ Enabled»RB ÁĥĪeÇÄŦĪĪ0tÄYÁ
Disabled	ÄŠŦĪÄ0 IRQ»T

- 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	ÀfAXË'Ài ÀŠ0aÄ0ISA çuAdAI PnP çmú»RĪ_0=Ç€Á ŠSIRQ
Legacy ISA	Ái çpĪÄçÄÄ0çmú»TĪ, ÁaŪ ĐĪçZB È' ÁæÁáÁ ŠS IRQ Ī0
PCI/ISA PnP	Legacy ISA çuÄ^ PCI/ISA PnP çuÄéçè»TŦ È' Á ŠSÆ çQ
	IRQ Æ Legacy ISA Èä, ÁĥĪeŦĪ, Ä0 PnP BIOS È_Äi Īn
	Ä0IRQ Á` ÈuĪ0ÄŠÄ0aÄ0ISA çuÄéçè»TÈe0a0ŠĪçÄÆ
	PCI/ISA PnP»RæÄqŦ_ÄĪÁáPCI çu (0 ŪŪÄÆÄ0PCIçue½ç)
	ÄY¼Ä=Ç€Äéçè IRQ»RĪ_çZÄ` ÈuĪ0ISA çuÄéçè»T

- 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	ÀfAXË'Ài ÀŠ0aÄ0ISA çuAdAI PnP çmú»RĪ_çIĐŦÄ ŠSDMA Ī,
Legacy ISA	0UÄi çpĪÄçÄÄ0çmú»TĪ, ÁaŪ ĐĪçZB È' ÁæÁáÁ ŠS DMA Ī,,0UĪ0
PCI/ISA PnP	Legacy ISA çuÄ^ PCI/ISA PnP çuÄéçè»TŦ È' Á ŠSÆ çQDMA Ī,
	0UÆ Legacy ISA Èä»RÄĥĪeŦĪ, Ä0 PnP BIOS È_Ä0DMA Ī,,0U
	Ä` ÈuĪ0Äi ÀŠ0aÄ0ISA çuÄéçè»TÈe0a0ŠĪçÄÆ PCI/ISA PnP»Ræ
	ÄqŦ_ÄĪÁá PCI çuÄY¼Ä=Ç€Äéçè DMA Ī,,0U»RĪ_çZÄ` ÈuĪ0ISA çu
	Äéçè»T

AWARD BIOS

PNP/PCI Configuration à PCI IDE IRQ Map To

PCI IDE IRQ Map To	ÀÍ%QÀáò ÜÜÄÖPCI IDE Üi çcçu%4%4pÎÃPnP çnú»TÍ, Áá
ISA	çuõ=ç€ÀŠðàÀsÁ ĀŠÄÖÜi çcöe%3%R%•ÉúßBIOS ÇĀŃ†#Ōt
PCI-Slot1	PnP Ò Ñ»TÀÓçnú%ŌÍñ'Ù Øø PCI Ī»ŌeĪŌ PCI IDE Üi
PCI-Slot2	çcçuĀéçç»TĪñŠAuto ÑĀöĒĀ#Ōt%ŠĀŠŌaĀŌ PCI -IDE Ī Üi
PCI-Slot3	çcçu»T
PCI-Slot4	
PCI-Auto	

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

Primary IDE INT#	Í, ĀüÇíÙ ĐĪçĪĐÑĚ "PCI IDE IRQ Map To" ĐĪçòĀéçè»T
A	Ē' ççYĀ ĀŠ IDE ççĪpĪŌ PCI IDE Üi çcçuĀŌprimary Ā^
B	secondary Ī, ŌUĀéçç»TĀT%QÇPCI Ī»ŌeĪ%ĀĪç'Çí PCI çç
C	ŪpçzĪbĀ ĀŠ »TĒ' çĪĐÑç ĪñŠ "PCI IDE IRQ Map To" Āi
D	ĀéçèĀŌĪ»Ōè»RĀRĀaĀŌĀ ĀŠCIççĪpĪŌĀi ĀŠŌaĀŌÜi çcçuĀéçè»T

AWARD BIOS

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	ÀÓÙ ðĪ ĨĐÑĒĪi "Used MEM Length" ðĪ ĨòĀĒ ĨĒ»TĀfĀX ĒĒ Āi ĀŠŌaĀŌ ISA ĨuĀdĀĪ PnP Ĩmú»RĪ ĨĪĐÑĀ ĀŠĒ ĒĒB ĒvĐ, Āi %pĪĀ ĨĀĀŌ Ĩmú»RĀi ĀÓÙ ðĪ Āy ĨĀ ĀŠĪbĀ ĒuĀŌĒ ĒĒB ĀBĐ»Đ"Ā)Ā Ā"»T
N/A	
C800	
CC00	
D000	
D400	
D800	
DC00	

PNP/PCI Configuration à Used MEM Length

Used MEM Length	ĀfĀXĒ Āi ĀŠŌaĀŌ ISA ĨuĀdĀĪ PnP Ĩmú»RĪ ĨĪĐÑĀ ĀŠĒ ĒĒB ĒvĐ, Āi %pĪĀ ĨĀĀŌ Ĩmú»TĀŌÙ ðĪ ĨĪ ĀŠĪi ŌĒĒĒ ĒĒB ĒvĐ, »RĀYĪ, ĀŌ PnP BIOS ĒĒĒ ĒĒB ĀBĐ»Ā ĒuĪŌĀi ĀŠŌaĀ ISA ĨuĀĒ ĨĒ»T
8K	
16K	
32K	
64K	

AWARD BIOS

3.7 Load Setup Defaults

ÀÓÙ ðĭĵĕ,, BIOS ROM %D %Íaài ØRÄÖÍñŠÇa»T%QÉ ÁéĵeÄæ«éAbĵeÀÓÙ ðĪÒ %QÓŠ ÍñÇa»RÍ, ÁaÓŠÍñÇaÑ`Ö%BeAi ÁÍÄÖ Setup ðĪĵò»RĒ!%WÖeÑaÁÖ CMOS ÍñŠ»TÄfÄXĒ` ÄÖÄĭeÀŠÖað ÈÄĒvð,,ÄÖÈ` ØeB »RÀi Ūi ĵcÖe%ñĭ»Ô»Ūi ĵcĵu»RÁoÇæloPÍĒ` ÁéĵeÀÓÙÍñ Š»T

ÀÓÙ ðĪÄY%Ä/Ä/Ē, Æ ÍaÄŠĵ ÄÖÄĭeÍñŠ»RÄi ĵYĵ ÄĭeĪ, ĵÇ%ÄÇÄSÄÖÄÄÄf»RĒ` ĵĵYĵe %iiÈÄÄÖ% Ä»Às "BIOS Features Setup" Ä^"Chipset Features Setup" Ū ðĪ%RÍñŠ Ò ÖTÄ^ Ò YÇÄSÄÖÍñŠ»T

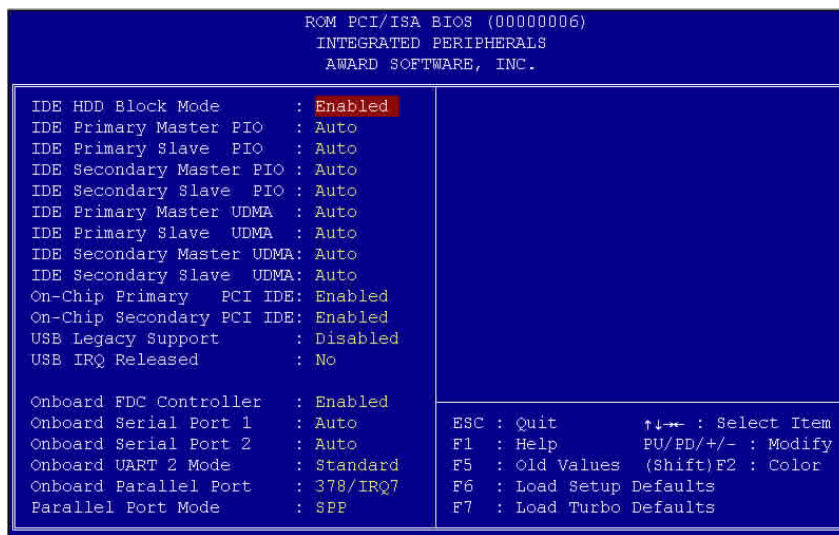
3.8 Load Turbo Defaults

ÀÓÙ ðĪĵð %ÄfÄ BIOS ROM %D ÈÄĒPĪ%ÄÖÖŠÍñÇa»TÍ, Áaò %ÄÖÖŠÍñÇaÑ`Ö%BeAi ÁÍÄÖ Setup ðĪĵò»RĒ!%WÖeÑaÁÖ CMOS ÍñŠĵĵ•»TÈÄĒPĪ%ÄÖÍñŠÇaÓ ÄĭeAiÄĵĵ Éú%ÄÈ ÍaÄeÄÖÍñŠÇa»RÄfÄXĒ` ÄÖÈ` ØeB Èvð,,%Ä%Ä»R%ÄdÄÍÄŠÖaÄöÄyŪi ĵcĵu»RÍ_ĵĵ ĵYÄi Ö` ÄÖÄÍñŠ»T

È` %ĵĵYĵe%iiÈÄÄÖ% Ä»Às "BIOS Features Setup" Ä^"Chipset Features Setup" Ū ðĪ%ÍñŠÈeÖaÇa»RÄ ÄĭeŪ È, Á ÄeÄÖÈ Ä ÈPĪ%T%ÄÖ]È` ÇĒĵ ŪRÖeAi ÁÍÄÖÙ ðĪĵñú»R ÀñÈÈÄÍñŠÇaÄæÍÖ% İiÄ^ ŪÍĵe×uÍ %Äa»RĵĵĪ/ÈÄ 3% Ä 10% ÄÖÈ Ä ÈPĪ%T

3.9 Integrated Peripherals

ÀfÄXÀsçUÙ Í %4Ù Øö “Integrated Peripherals” ÐÏçò»RÁj Ñ”ÀsÜÝÓ %4BýçöÀf%FÏv ÇË»X



Integrated Peripherals à IDE HDD Block Mode

IDE HDD Block Mode	ÀÓÐÏçòçZÍnÁSİŠÖeçYÀyÔeÊe%4 À»ÐáÊvò Èa»RÁÝçzÈ Ê¼ÁT
Mode	ÇíÔeÔeÄÖ%4ÏpÍSÌ‘EäÐ»»T%4Í»ç ÄÖ IDE ÝŠÖeÍ¼çz#pÍÁÁÓ
Enabled	ÐÏçñú»RÊ¼4WØ ÀÇËËçi ÀÖİŠÖeçzÉúÁdÁÍÍççfÁÓÓoÐáÙ Øi
Disabled	À»»T

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

<p><u>IDE Primary Master PIO</u> Auto Mode 1 Mode 2 Mode 3 Mode 4</p>	<p>ÀÓÙ ðĭĵĭñĂŠĂŠòÀÀs IDE Í†ĔĬ00%ĥĂ0IDE ĨŠ0ēĵYÀ Ôò PIO ÔìÀ»ĂíĐaÙ 0 Èà»TPIO ÔìÀ»ĵĂ ĄŚĨŠ0ēĂ00 ÈaĐaÙ Ĩ†Ĭ%»RĂiÀf mode 0 Ă00 ÈaĐaÙ Ĩ%ĔĔ 3.3MB/s»Rmode 1 ĔĔ 5.2MB/s»Rmode 2 ĔĔ 8.3MB/s»Rmode 3 ĔĔ 11.1MB/s Ąímode 4 ĔĔ 16.6MB/s»TĔē0à0ŚĨĈĂĔĔ Auto »RĂfĂXĂ0 ĨĂŠŃ»ĂēĨŠ0ē%ĴŲĈ»RĵzĵYĔ_ĐaÙ Ĩ%ĚY%ĭĔĔ» Ą»ĈĂŃ†»ĭ0ĵ»T</p>
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ĂqŃ_ : »ēĔ_Ĕ' Ă0ĬĐ%Qĵ< IDE ĨŠ0ēÍ†ĔĬÀsPrimary IDE Ă0 master Ĩ„0U%ĥ»T

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

<p><u>IDE Primary Master UDMA</u> Auto Disabled</p>	<p>ĂfĂXĂŠ0àÀsĨDE Í†ĔĬ00%ĥĂ0IDE ĨŠ0ēĂÍ%ĴĬĂ UDMA Ôì Ą»»RĵzĔ_Ĕē0àĨĔĔ Auto»RĵYĔĬĔĂUltra DMA/33 ĔĂĬĐăŮ ÔìÀ»»T</p>
--	--

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

<p><u>On-Chip Primary PCI IDE</u> Enabled Disabled</p>	<p>ÀÓÙ ðĭĵĭñĂŠĂĔÈ È Í†ĔĬÀs primary IDE Í†ĔĬ00%ĥĂ0 IDE ĨŃă»T</p>
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AWARD BIOS

Integrated Peripherals à USB Legacy Support

USB Legacy Support	ÀÒÙ ÐÌ ç Ì Ñ Š À È Ò USB Û Þ ×] Ä Ö Bi È ä I ' À » T À f Ä X Ñ b Ç È
Enabled	Ä è ç è USB Û Þ ×] » R % d Ä d Ä I Ø R Ä i Ä Ö Bi È ä I ' À » R ç z È _ È è Ö ä Ì n
Disabled	Æ È Enabled » T Ä Ö Û Þ ×] Bi È ä I ' À » % Ö Ä ö À s BIOS % Ö » R ç z Ö i Û Ü

Ä ä I è Û Þ ×] Ä ç z ` » R Ä Y ç S À s Ð " Ø È À POST Ý ' Ä ä È ä È i È ä
USB Û Þ ×] ç Ñ ü » T È è Ö ä Ö Š Í ç ä Æ Disabled » T



Ä q Ñ _ : × è % Ç È Ä È ä Ä è ç è USB Í n Í ä Ä ^ USB Ð ä I è Û Þ
×] » T À f Ä X Ä Q Ñ • Ä ð I è % Š Ä S Ö a USB Bi È ä I ' À » R × è Ä È
"USB Legacy Support" ç Ñ ü » T

Integrated Peripherals à USB IRQ Released

USB IRQ Released	USB Í n Í ä Ä Ö INTD# Ö a PCI slot4 Æ Ä a » T À f Ä X Ä s slot4 % Ä ñ
Yes	Ä Š Ö a PCI ç u » R Ä Y Ç È Ä è ç è INTD# È ä » R × è È _ È è Ö ä Ì n Æ Yes » R
No	Ä j Ñ Ä È USB Í n Í ä Ä i Ä ç è Ä Ö INTD# (% Ä Ü Þ Ä Ä ") » T

Ä j Ñ Ä È USB Í n Í ä Ä i Ä ç è Ä Ö INTD# (% Ä Ü Þ Ä Ä ") » T



× è Ä q Ñ _ : % Q È Ä i Ö » PCI VGA ç u % Ä Ö ÷ ç è Ä PCI % Ä Ü Þ » R
È ' ç z ç Y Ä ü PCI VGA ç u Í » Ä s slot4 » T

Integrated Peripherals à Onboard FDC Controller

Onboard FDC Controller	ÀÒÙ ÐÌ ç Ì Ñ Š Í È Ä » Ö è Ö è Ø Ä Ö ç Ñ ü » T À f Ä X Ñ b Ä è ç è ç • È I Ä » Ä Ö
Enabled	È È Ä ç u » R × è È _ Û Ð Í n Æ Disabled » T È è Ö ä Ö Š Í ç ä Æ
Disabled	Enabled » R ç z Æ Ö è Ö è Ø ç Ü È q Ö S Ä Q » T

È È Ä ç u » R × è È _ Û Ð Í n Æ Disabled » T È è Ö ä Ö Š Í ç ä Æ
Enabled » R ç z Æ Ö è Ö è Ø ç Ü È q Ö S Ä Q » T

AWARD BIOS

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

Onboard Serial Port 1	ÀÓÙ ðĭçÅ ĀŠçUØ Ā`%ĥĀŌĀ ĀTĪ†ĒĪŌŌĀ Ā"Ā^%Āĭp»TŌŠĪn
Auto	ÇāĒĒ Auto»T
3F8/IRQ4	
2F8/IRQ3	
3E8/IRQ4	
2E8/IRQ3	
Disabled	



ĀqN_: ĀfĀXĒ' ĀĪĀéçèŌ Ō çu»R×é×eĀŠ%ĀĭpĀ Ā"Ōa
ĀpçĀĀŌĪnĪāĀŸ%Āĕ×P»T

Integrated Peripherals à Onboard UART 2 Mode

Onboard UART 2 Mode	ÀÓÙ ðĭççYĀ ĀŠĀ ĀTĪ†ĒĪĒ (serial port2) ĀŌŌiĀ»»T
Standard	
HPSIR	
ASKIR	

- **Standard** - Ī,Ē ŌŠĪnŭ ðĪ»T
- **HPSIR** - ĀfĀXĀsŌ,Ō%ĀŌ ĪrDA Ī†ĒĪŌŌ%ĥ%ŠĀŠŌā%ĀWE ç×^ĒĪĀŌŌŌ(ĪrDA) »R ĪççYĀéçèÀŌŪ ðĪ»TĪ,ŌŌĪnĀŠççĀĒĒĒ ĀTĒeĒĀŌŌW115K ĀžĒd»T
- **ASKIR** - ĀfĀXĀsŌ,Ō%ĀŌ ĪrDA Ī†ĒĪŌŌ%ĥ%ŠĀŠŌā%ĀWE ç×^ĒĪĀŌŌŌ(ĪrDA) »R ĪççYĀéçèÀŌŪ ðĪ»TĪ,ŌŌĪnĀŠççĀĒĒĒ ĀTĒeĒĀŌŌW 56K ĀžĒd»T

Integrated Peripherals à Onboard Parallel Port

Onboard Parallel Port	Ī,ÇĭŪ ðĪççYĒĒĒ %ŌĀŌçÇĀ Ē ĀŌĀ Ā"Ōa%Āĭp»T
3BC/IRQ7	
378/IRQ7	
278/IRQ5	
Disabled	

AWARD BIOS

Integrated Peripherals à Parallel Port Mode

Parallel Port Mode	ÀÓĐİ ç ò ç ç ß È · Á ĀŠĀŸĀTĒ ç YÀ ÔðØøÁQ Ôi À»Āi Đá Û Ò
SPP	Èà»TĒÈÒàÓŠİŋÇāÆ Normal , %ñĬ_Æ SPP (Stand Parallel
EPP	Port) Ôi À»RÆİBM AT Ā^PS/2 ÆÈvÔi À»RçZ%ÓİŋŸĀT
ECP	È Ās Í Āg Ôi À»%f ç Y ç ÛÈqİİĀñØøÁQ»EPP (Enhanced
ECP + EPP	Parallel Port) Ôi À»R%ÓİŋŸĀTĒ Ās Û Āg Ôi À»%f ç Y
	Íæ%İİİĀñØøÁQ»TECP (Extended Parallel Port) Ôi
	À»R% ĀæĀİİĀñĀ ĀðĀŌÛ ĀgĀŸĀTĒ ØøÁQ»RÆ ç DMA Ā^
	RLE (Run Length Encoded) ÛĀj Ā^ ÒèÛĀj ĀŌ% Ā»Āi Đá
	Û Ò Èà»T

Integrated Peripherals à ECP Mode Use DMA

ECP Mode Use DMA	ÀÓÛ Đİ ç ç ß È · Á ĀŠ ECP Ôi À»ĀŌĀŸĀTĒ Āi Āé ç eĀŌ DMA
3	Í „ŌU»TĒÈÒàÓŠİŋÇāÆ3»T
1	

AWARD BIOS

3.10 Password Setting

È\×i ÍñŠ;žñÁ\çl] %Y;00xËÜB%»SÁi0iÀoÁéçèÈ' Á00,,0%»TÀfÁXÍñŠA€È\×i »RÁîÈñ«
ÀsÁTA0B"0 ÀèDz%4 BIOS%çèÍ'À»Èä»Rç; i Í' %QÇiÍ½;öİB00»RÇÈAUÈ'Û %4çÛ×eÁ0È\×i »T

ÍñŠÈ\×i »X

1. ÀsÍ½;öİB00%ç»RÛp%4Íaÿ8 ÇiÁ..%0Á0È\×i »RÈ' Ái Ûp%4Á0Á..%0ÀsÛY0 %4çÛ`Ñç; i Í' Àa00»T
2. Ûp%4È\×i Áü ×eÁ Enter Ûp»T
3. ÈÍÛö%dnç; i Í' Í½;öİB00»R×eÀRÛp%4%QÁ0È\×i »Rç;Y×e0' È\×i Á0çÛ×eÁ»Enter Ûp»RÁj ÑÁ×ÈÍÁoÁ çÛÍvÇÈ»T

ÀfÁXÇÈÀ È %4ÍñŠÁ0È\×i »R×eÀsç; i Í' Û %4È\×i Á0Í½;öİB00Áü»RÁ×ÈÍÁEnter Ûp»R ÍvÇÈ%4çÛ`Ñç; i Í' %QÇiÈeÁÁzDUÈ'È\×i %ŠÍbÁ È »T

3.11 IDE HDD Auto Detection

À0çñéúçç;YÀoÈaÈ0Î IDE ÍŠ0eÁ0ÁÆ0R»RÁYÈ_È0Î Á Á0Èe0aÇaĐaÁ "Standard CMOS Setup" Á0 "Hard Disk" Û ĐÍ%4»TÁÍÁa IDE ÍŠ0eçç;4pÍÁÿiÁ0Èe0aÍñŠ»RÁf ÁXÈ' Á0ÍŠ0e%40Rç;eÍ, ÁaÀoÈaÈ0Î Á Á0Èe0aÇa»R×eÛ N %4ÇÈÁeç;èçÀÇa»RÁYDz%4 "Standard CMOS Setup" Û ĐÍ%4Ûp%4çÛ×eÁ0Èe0aÇa»T

3.12 Save & Exit Setup

À0Û ĐÍÑÁsÈ'Û Đ" Setup %çç;eÍ'À»Áv»RÀoÈaÛ<À†ÁiÁÍÁ0 CMOS Ça»T

AWARD BIOS

3.13 Load EEPROM Default

È"Load Setup Default" Ōa "Load Turbo Default" Å;•»RÈ' %4z; YË_ àõ%ÅŌÍMŠ ÇàÀ†%4 EEPROM %RÅÝÁb;èÀŌÙ ĐİÇÄÑ†Ō %4»T

3.14 Save EEPROM Default

ÀŌÙ Đİ;ž_È' àõ%ÅŌÍMŠÇàÀ†%4 EEPROM %R% ÅúÇ; CMOS Ō ÈàÙ ;/ÅeË' ÅeËŌ ÅfÀ Ç ; ÍMŠÈà»R;ž;á;è%4nÇ' ÅŌ "Load EEPROM DEFAULT" ÇÄÑ†Ō %4»T

3.15 Exit without Saving

Ū Đ" Setup %;èİ' À»»RÀ %4NŪ<À†Á Á Ō]ÄŌ CMOS Çà»TÀfÄXË' ÇËŪ<À†Ñ†ÄŌÍMŠ Çà»R×è%4ÇÄÉ;èÀŌÙ Đİ»T

3.16 NCR SCSI BIOS and Drivers

NCR 53C810 SCSI BIOS %QŌaÈçŌÈÀsÆbÀaÄŌÄðÈ' È` ŌeB ÍŌ% %RÑ ÅÄÄİÈ BIOS Åe;çTÇÄÉ;èÄ' %4hÄŌNCR BIOS»È' ;İĐÑ; ÀsÄİÈ%RÄŠŌa%Q%NCR 53C810 SCSI ÈÈÄ ;u»T

ÄiÄÍÄŠŌaÄ ÄİÈ%ÄŌ SCSI ÍnĀ»RÍ½E Ō=ÇÉÍ€B Bi Èäİ' À»»TNCR SCSI BIOS ;ž× ÈİÄs DOS %f %pİÄ SCSI İŠÄ»ŌeŌeŌ »RWindows %e OS/2»T%4z; YÁb;è NCR 53C810 SCSI ÈÈÄ ;uÄiÄ ÄŌÍÈÄ»ŌeŌeŌ Bi Èäİ' À»»R;YDOS È À»%e SCO UNIX È À»ÄiÄe;èÍÈÄ»ŌeŌeŌ »IDOS È À»ÄŌBi Èäİ' À»%ÄÄ SCSI ÍnĀ»RÈ ;z;Y;èÀs DOS»R Windows NT»RNovell NetWare %e OS/2»TÄi SCO UNIX È À»ÄŌBi Èäİ' À»%ÄÄ SCSI ÍnĀ»R;z;èÄ SCO UNIX»TÍ, ÄáBi Èäİ' À»% ;èÄ×Èİ BIOS Äi %pİÄÄŌÈÈÉúŌeÈÄ»T

ÇÈÄe;èBi Èäİ' À»»RÈ' ;İĐÑÈ_Í, Ääİ' À»ÄŠŌaÄ ÄİÈÈİŠÄ»ŌeŌeŌ %RÅÝ;SË_Å;LÄ È' ÄŌÄİÈÈÍMŠÚa%TÄŌÄ ŌiİiÄŠŌa% Ä|»R×èÆ-Í, ÄáBi Èäİ' À»ÄiÄ ÄŌ README ÚaÈn %RÄŌŌ»Ä »T

AWARD BIOS

3.17 BIOS Ü_Ü ¼^Áý

¿YÁÖÁÖ¿UØ Á`Í½E ÈBIOS Á Às¿QÔoÔo¿E¿PROM ÁÖÈ`ØeB ¼¿RN Ò=ÇEÁ N¿BIOS ÁÖÈaÇi»R¿I¿DNÁe¿èÁ EPROM Ü_Ü ØØ»RÁi¿Y¿QÉ Áe¿èÁa¿YÍ]Á|ÁöÁ Á N¿BIOS»T ÁiN¿¿Q¿_ÁÖ¿UØ Á`¿S¿I¿%¿¿Á ¿Flash ROM ÁiÜ¿Á¿ BIOS»RÁpÜ`ÚZAsÁ Áe¿èÁæ¿¿ÇE Í`Ó]¼¿ÁýÍ`Á»»RÁ¿¿zÁöÁ Á N¿N¿ÁÁÁÖ BIOS»RÁUÈ¿¼¿Á`»T

Á N¿ BIOS ÁÖ¿oÁÖAsÁ Í½ÁeN¿ÁÖ¿mú»RÁe¿p¿IÁ¿QÁ¿¿ÇE¿h¿N¿EÜ¿i ÁÖI¿ŠB »TÈ`¿zÁe ¿è BIOS Ü_Ü Í`Á»ÁiÁ N¿ BIOS ÁÖÁ¿¿Ö»R¿ÇEÁ È, Ía¿N¿ÁÖ BIOS ÚaÈnÖaÜ_Ü Í`Á»»R ×e¿E¿ÜÈ`ÁÖÖxÖaEi»RÁeÁa¿¿¿¿Y¿Z¿¿Á¿Ça¿ÁÖÖ ÈÖ (<http://www.aopen.com.tw>)¼¿ Ö (download)¿TÜ_Ü Áv×e×eÁ¿SÈ`ÁiÁ È, ÁÖBIOS ÚaÈnE ¿Ü×eÁÖÁ¿¿Ö»R¿QÉ ÁiÖ»»R È`¿¿YÈ, ÚaÈnÁhÖoÁiÁaÜp»TÁi¿¿¿X¿j ÚaÁh¿P5TR110.BIN»R¿_¿_Á Í, ¿AP5T ¿U Ø Á`ÁÖBIOS»RÁpÁ¿¿ÖE 1.10»T

Áo Ça¿AQ Í½Áe ¿WÁü Çi ¼¿ÁýÍ`Á`»»XCHECKSUM.EXE ¼e AOpen Ü_Ü Í`Á» AOFFLASH.EXE»TÁe¿è¼¿Á|×eÈeÁi¿Y¼¿ÁÖÁSa|»X

[CHECKSUM.EXE]

Í, Çi¼¿ÁýÍ`Á`¿¿¿YÜÈÈ`×eÖ`¼¿Ö ÁÖ BIOS ÚaÈn checksum E Áp¿Ü×e»T

1. ×eÈ Á CHECKSUM Biosfile.bin
Biosfile.bin Á ÁÖE BIOS ÚaÈnÁÖÁhÖó(Áf AP5TR110.BIN)»T
2. Í`Á»N¿Bý¿ö "Checksum is ssss"»T
3. ×e¼¿ Ö Ç ¼¿AXAsAOpen Ö ÈÖÁe BBS ¼hÁÖchecksum "sss"»R¿E¿E¿E Áp¿Ü×e»T ÁfÁX¼¿¿¿Ü×eÁÖÖö»R×e¿¿E Á Ü_Ü ÁÖÈaAQ»RÁYÇAN¿¼¿Ö ¿QÁÖ»T

[AOFFLASH.EXE]

È Á CHECKSUM Í]Ö•Áü»RÁ¿¿¿¿YÁe¿èAOFFLASH.EXE ÁiÜ_Ü N¿ÁÁÁÖ BIOS ¿W¿T Í, ÇiÜ_Ü Í`Á»N¿¿ ¿Úa¿h¿UØ Á`¼e Super/Ultra I/O IC ÁÖÁ¿ÖÖ»R¿Y×eÁ`BIOS ÚaÈnE ¿Ü×eÁÖ»T×eÁq¿_»XÜ_Ü ÁÖÁÁÁü»R¿ÇBIOS È_N¿ÍbÜeÖm¿Ö»T

1. ¿è A ÖeÖe¿Y DOS Ð"Ø ¼¿Ð"Ø »RÁY¿S×e¿¿E Á Áf ÖoÈ`ØeB ÖoÍ`Í`Á` (Áf HIMEM»SEMM386»SQEMM386, ...)»T
2. ×eÈ Á AOFFLASH Biosfile.bin
Biosfile.bin Á ÁÖE BIOS ÚaÈnÁÖÁhÖó(Áf AP5TR110.BIN)»T

AWARD BIOS

3. ÅsÒ ¼Ñ†ÃÔ BIOS ÚãËñÃú»RÍ' À»ÑË÷Ë'Æ ÁþÇËË_ÜÜÄÄÄÔ BIOS À†Ã ÔéÔé¾¾»R×é Û Øö "Y" Ë_ÄþÀ†Æ "BIOS.OLD"»T
4. Ú<À†ÜÜÄÄ BIOS ÁÓÌÄÄú»R×éÄ ¼F"Y" Ð"Ä}ÐzÀ Û_Û »T
5. ÅsÛ_Û Ó]Í' ¾¾»RÛÝÓ Ñ"By¿ö¾QÀ "FLASHING" ÄÖËeËÁ (Û_Û ¾¾)»RÄÖËã¾uÔf¾½ ¿zÝ Ø »T
6. Ås "FLASHING" ËeËÁË ÷¼Äú»R×éÝ ÍÄÖ,,Ñ×ÄÝÇÄÑ†Ð"Ø »T
7. Ð"Ø ÄúÄ ¼f "DEL" ÛþÐ¾¼ BIOS Setup ÝvÇË»T
8. ÇÄÑ†Û ÄŠ "BIOS SETUP DEFAULT" Û ÐÍ»RË_Ä†ËËÍñŠÄsÍæÝÇÄŠÄÖÄÄÖR»WÄe ÄæË'¾¾¿¿Y×íØýÄÄÇ ¿ ÄÖÍñŠÇã»T
9. Û Øö "Save & Exit"»RÄ ÄÖÍ_¾¿¿ñzÄÄËËi»Z



ÞÍ Áz: ×é ¼¿ÇË Ås Û_Û Ó]Í' ¾¾ (Í_Æ Ñ ÛÝÓ ¾¾By¿ö "FLASHING" Ëã) Ý Ø »T ÀfÁXÄdÄÍÛ_Û ÁÓÄÄÍ_Ý Ø »RÄ† ÌeË_Û|Ä|ÇÄÑ†ËËËã»RË' Í_¿ÌÐÑÁ ÍÄ BIOS Flash ROM ¾¾WT



Í½¿ö: Ë' ¾n¿z¿YÄæÍqÀaÖaÄÖË' Áá»R Ë_ÜÜÄÄÄÔ BIOS "BIOS.OLD" ÖxÄo»T

Ä Ü C Jumper ÍnÄŠÄ

Ü Øö CPU ÚhÌ%

Í, Ð çUØ Ä`Æ ÈPçèÍ Jumper ÍnÄŠÄ»TÈU»QÄÖJumper Æ Clear CMOS»RÍ, ççYçèÄ Äë È`È`xi ÄÖÈ»Äf»T

ÍnÄŠ CPU ÚhÌ%ÄÖ% Ä|Æ:

BOIS Setup à Chipset Features Setup à CPU Clock Frequency
(çÉúÄÖÍnÄŠçäÄÍ 66, 68.5, 75 óa 83.3 MHz)

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

INTEL Pentium II	CPU »ÖÍ»ÚhÌ%	ÇÜÚh%	ç•Úh
Klamath 233	233MHz =	3.5x	66MHz
Klamath 266	266MHz =	4x	66MHz
Klamath 300	300MHz =	4.5x	66MHz
Klamath 333	333MHz =	5x	66MHz



ÞÍÁz: çY»hDaÄTçi çòAvçÄÇÈ»h»ŠÄÈ, ÄÖ CPU»RÄi ÓŠÍnÇaÆ Pentium II 233mhz»TÄpçÄÄÖÍnÄŠçäÆ Ä`ÉuÄë»ÖÍ»Í òi çè ÄÖ»RÄëçèÍ, ÄáÍnÄŠçzÉúN`Ó È`ÄÖÄ†ÍèÍ(ÄÄÄN}Eq»T

Jumper ÍnÃŠÄ

Ù Øö CPU Ó,,Ú½

¿Û¿UØ Ä`%pÍÃPentium II (Klamath) VID ¿ñú»R¿¿YÀöÊäÊÛÎ CPU Èð%ñÓ,,Ú½»RÃp×u
Í Äs 1.3V Ä 3.5V %ÄÐ»»T

Ì^Ê½CMOS

JP14	Clear CMOS
1-2	¿ÛÊøøÁQ (ÓŠÍñ)
2-3	Ì^Ê½CMOS



Í½ö: ÀfÃXË' ÄÓÄ¿ìeÀñÆÐhÚhÀíÑ ÈÖÄeÏ|Ä|Ð"Ø »R¿¿YÌ^Ê½
CMOS»RB Ä¿ìeÀoÄ ÓŠÍñÄÓÄÄÐR»TÈ½»WÄé¿è JP14 %Ä¿•»R È' %ñ
¿¿¿YÄsÐ"Ø ÈäÄ %f <Home> ÄíÌ^Ê½CMOS»T

Ä Ü A ÊqÂ½Ë÷ÝUDÊÒë

Q: ÄfÄ Êé%Ú1BIOS1ÄÄ¿ÖP

A: AOpen ¿U0 Ä` ¿U0 Ä` ÄËBIOS ÄÄ¿ÖÑ¿ý¿öÀsD"0 Èä POST (Power-On Self Test)
Ä Ä »RÍ„ÊqÑ¿Y R Ä.D"Új »X

AP53/AX53 R3.80 Oct.22.1996

↙ BIOS revision

Q: ÄfÄ Êé%Ú¿U0 Ä` ÄÖÄÄ¿ÖP

A: AOpen ¿U0 Ä` ÄÖÄÄ¿ÖÍ'ÄÑÖ¿öÄ PCB %Ä»RÍ„ÊqÑÄÍ%QÇi¿iÄü¿•ÈöÄÝ¿SÄ Ä PCI
Slot Ä Ä »TÄf¿Y%f×uÄiÄi¿ö»RP5T ¿_Ä AOpen %ÖÍ»ÄÖ project ¿_00»RRev 3.4
ÄÄÄÄ¿ö¿_00»T

↙ AP5T revision 3.4

AP5T MB
Rev 3.4

Q: %ÊÖ Æ MMX»Y

A: MMX Æ Ñ*%Q¿_Intel Pentium PP/MT (P55C) %èPentium II (Klamath) CPUÄÖÍ
Ä ÄyÄ ¿` (single line multiple instruction) ÄöÍ_»RMMX %ÄÄ ¿` ÄsÄyÍTB ÚÍ¿è%ÄÉd
Ä` ÄÍÉP(Äf 3D ¿üß Ö%ÖÍ»SD ÇÍÉD»SÍ ÈeÑPÍ0a0~)»TÄyÍTB ÚÍ¿eÍ'Ä»Çj Äé¿èMMX
Ä ¿` È_¿z%ÍeÄ Ý×¼ÁQÉBÉú»TÄò ðAOpen ¿U0 Ä` %ÄÄÍÄö%ÖÜ Ö„Ñ×%PÍÄP55C»R
ÄÝ%ÄÖ÷ÇÉÉÈÈ %ÄÍ0% Äi%PÍÄ MMX CPU Äj ¿zÄé¿èÄ0%Q¿_ñú»T

ËqÄ¹Ê÷ÝUDEÒë

Q: Pentium II (Klamath) ÄsÈ À ÈBÉú%hÄÍÄy%ÄÖÄ Ý×P

A: ÁóÇæË_Ñ†%Q¿_ÄÏCPU ÈÍÁÍÈÍ%W% Ò »R¿Y%ÄÖÍ ÒiÏÄXÍ¹ÄeË'ÈÍÆÈÈeÄi»T

DRAM : 64MB EDO Äè SDRAM

HDD : Quantum Fireball 1280AT

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

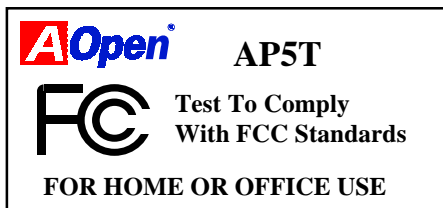
OS : Windows 95 4.00.950

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

¿ë¿Y%ÄÖÄ È ÁóÇæ¿¿¿YÏ, Ì' »RÄsBusiness Winstone97 ÄÖÍ ÒiÏÄXÍ%Ä»R Klamath-233 % Èp PP/MT-233 ÄÝÄdÄÍÄy%ÄÈÄ' »WÄ Äs High-End Winstone97 Ä, ÄÍÒ Ú¹ÄÄÖÄ Ì' »TÍ, ¿¿úE ÄnÈ Klamath ÈSÜZOSÖüÄÖÉú% Ò Äe»RÖRÄi ¿èÄÍÈÍÓé ÄeÍSI' »T

Q: %ÉÖ È IWTTIU, T19Uvt)r.r.¿, €l, wT, €w ...¿E»Y

A: U, T1E %QÖöÑ†ÄÖIWTTIÍhÈ Ò'YiÖeÑá»RÑ†ÖeÑáÍhÄ¿ 10†i¿ 19Ä¿UÖ Ä`Äs¿i×è U, T1ÖeÍÓi9], x, 1:Èä»R¿¿¿¿¿¿¿¿ ÌüÄÖÖ(Ü »RÄpÍ ÒiÍh×uÄÈIEHTWc1BF¿DB»T¿UÖ Ä`ÄÍU, TÍ Òi% ÄaÍeIWTTIÍ ÒiÄ ¿Ä¿Y »RÄfÄX¿UÖ Ä`Í, Ö]IU, TÍ Òi»RÍ_¿_Ä ¿U Ö Ä`ÄÖIV^ZÜ ÈxÄUÈqÄT»RÄi¿YÈ' ¿¿Y¿¿¿ Ä Ä × ÄÖÖ Ìü9Äj Ä`Ä' ¿èÈÄÄQÄÖÖ Ìü¿ ¿z»TÄö ðIR` fVÈÑ†%Q¿_ÄÖ¿UÖ Ä`Í%¿Í, Ö]IU, TÍ Òi»R%Ä ÖeÄj ÄÈIU, T1ÖeÍÖöa¿Ö»X



ĚqĀ1Ě÷YUĐĚ0ë

Q: ĚĚ0 Ě Bus Master IDE (DMA mode)P

A: ĐăĬĚĀ0 PIO (Programmable I/O) IDE 0÷ç€ CPU Ā ĀfĀĬY IDE ĺ Ĭ»Ā0Ě Ā Ěă ĀQ»RĺmRĬĪĀ÷0 Ě ĚăĀQĀ0Ā0ĀĀ»TĀĚĬ CPU Ā0%ĀQÇĪ0»RBus Master IDE 0ă0~ ĺĀ×ĚĬĀĀ Ě ĚĚß 0 ĚĚ»R%Ī0÷0xĺĚCPU»RĺSĺĀĚ CPU 0SĀQĀ Ā Ě ĚĚß 0ĐĚ 0ă0~ Đ»Ā00 ĚăĐăĚVĀăĚĐăĀ »T%Ī0] Bus Master IDE 0÷ç€ Bus Master IDE Bĭ ĚăĬ'Ā»Ā^ Bus Master IDE ĬS0ĚĀĭ%ĪĀ% ĺĺ ÜĚĚĀĀQ»T

Q: ĚĚ0 Ě Ultra DMA/33»Y

A: Ĭ, Ě %Q00NĪĀ0ĬĪĚ »Rĺ0Ā0ĀSĀ ĬĐĚ ĬS0ĚĀ0ĐăŪ Ĭ%RDăĬĚ%ĀPIO Mode ĐăĀĚĸĚ IDE ĚĚĀ ĀY00%ĀĪ×Ī(Rising edge) ĀĭĐăŪ 0 Ěă»RDMA/33 ĀyĺĀăĚĀĚĸĚ%Ī×ĪĀ^ %f×Ī(Falling edge) »RĀNĀ00 ĚĚĐăŪ Ĭ%Ě PIO Mode 4 ĀĚ DMA Mode 2 Ā0ĀŪÇŪ»R (16.6MB/S x 2 = 33MB/S) »T
%fĀ ĀTĸĭ IDE PIO Ā^ DMA Mode%ĀĐăŪ Ĭ%RĀN IDE ĐŭĀĚĀĚ 16 bit»RĀĪĀTĀ0Đă Ū Ě 2 byte»T

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

ĖqĀ¹/Ė÷YUĐĖÒĕ

Q: Ultra DMA/33 ĀŌĪ†ĀñĀfĀ PÆ ĀpŌ÷ÇĖĖĐĖ Bi ĖĀĪ' Ā» (Driver)P

A: DMA/33Ō÷ÇĖĖĐĀ` ĀŌBi ĖĀĪ' Ā»(Driver)»RĖ' ĵĵYĵĕ Ė Intel ĀŌ PIIX4 Driver ĀĕÑ†ĀĀ Win95 Memphis»TĵŏĀvĪbĪ ōi ōĴĀŌĐ„ĪĀŠŌĕĵ`ĀĪQuantum Fireball ST1.6A»RĀp Ī ōiŌaŌĀf»X

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: ĀĖŌ Ė ACPI (Advanced Configuration & Power Interface) Ā^ OnNow»Y

A: ACPI Ė 1997(PC97) ĀŌ%QŌŏÑ†ĀŌŌ„Ñ×ŌŏĪ' ĪhĖ »RĀpĵŏĀŌĀsĀ Đz%QĀSŌxĵĕĀQŌÑ•Ā† Īĕ(OS)ĀĪŌqĖŌŌ„Ñ×ĀĪ%ĀĪ' ōĴĐĀĪĕ Green PC BIOS»RĖĖŌWĀ ĀŌĵŏĀŌ Chipset Āĕ Ultra I/O ĪŌ% Ō÷ĪĀĕŌĕÑĀ%ĐĖĖ (Standard Register Interface) ĪŌĀQŌÑ•Ā†Īĕ (Āf Win98)»RĀYĵĵĀĀQŌÑ•Ā†ĪĕĪ ŪhY ĪĖĀ^ Ā Īp%ĀĀĪŌ% Ō„Ñ×%Āĵĵĵ»RĪ, ĪbĀĪ Ė ĀĪ ŪZ ŌĪŪYĪ»Āĵ ĵĕPnP %Ā%ĐĖĖ (Register Interface)»T

ACPI ĪhĀŠĀĕĵĕĪĴĖ,Ā»Ō„Ñ×Ā Ūp(Momentary Soft Power Switch) ĀĪĖĖĀ ĵĕŌ„Ñ× ĀĖĀf%Ā%ŪĪĀ»RĀĀŌĵĪĐÑĀs ATX Form Factor ĖĪĪĪ Momentary Soft Power Switch ĀŌĀĕĵĕ%Ė%Ė ĖŭŌ ByĀpĖĖĀX»ACPI ĪĕĀĪ)%ŏ%QĖ Ō„Ō%ĀĕĵĕĀĕĀŌĪ»ĵ ĵĖŭĖ ĵĕĵpŭĀ» Ō„Ō%(Notebook) ĀĪĀĪĀ ĀĪĀĪĀŌŌtÑb "OnNow"»TĪ, ĵĵĵ%ŌĪĪĪĖĀ%ĪĪĀŏĀ %Ī%QĀŌY Ō ĀvĀŌ%ĪĀQĪvĖĖ»RĀĪ%ĵĵĕĕĀĪĀ ĖĀĐ»ĪĵĀ÷Ė„Đ"Ō ĖĪĖĀ(Bootup)»RĐz% Win95»RĪ^ ĀĪ Đz% Winword»TĀĕĵĕTX ĪŌ% %ĀĀŌ đ AOpen AX5T»RĀĵ %ĪĪĪACPI ĵĵĵ»T

ËqÂ1/Ë÷YUDÊ0ë

Q: %Ë0 Æ LDCM (LAN Desktop Client Manager)»Y

A: LDCM Æ Intel ËÛB%ã%Äë(Ñ Ì ^ ÇëçZ`ÄÖÍ€B »RÂpçdÄÖAsÚÉÁf%«ç„%ÖÍ»ÄÖÖ ò Öo Ì' %YÇ (Network Administrator) ÖaÑ %eÖoÌ' Client Ö÷ (ÄëçèÄæ) ÄÖÄÏèð Ñ»T LDCMçÌDNËÏAi DMI BIOS Äëçè»RÂpÓ AOpen çU0 Ä`Á»ÆDMI BIOS»Rç`Æ`çÖ %Ä%LDCM Í€B Äi%«R%ÄÓ] LDCM Ða%pIÄ ATI VGA %e Intel Network çu, ÀRçl%h ÄpÚÍçèÄ Û %«ÄaÚ Öi»R%QÉ ÈrÈ<ÄëçèÄæByÌ ^ ÄdÄÍçÌÇ€AyçZÜ Äi ÜaÐcDCM»T

Q: %Ë0 Æ ADM (Advanced Desktop Manager)P

A: Í, Æ Acer Ì, ÈzÄÖÍ€B »RçÄY À Intel LDCM»RÀ ÄÍ%QÄaÁ D»ADM %Äç`çèÄ Û %«ÄaÖ ò Ú Öi»RçÄÄaÈäççèÄ ÄÏèÄÄÖRÄÖÊÖÏ »RÄf CPU ÇNËËËÖÏ »RÄÏèö„Ú%Ë0 Î %e CPU Ó]Ö Ä`BQ»T

Features	ADM 2.1	LDCM 3.0
VGA card	%ÄÇÇ	ç`ÄÍ ATI
Network card	%ÄÇÇ	ç`ÄÍ Intel
Support DMI BIOS 2.0	Yes	Yes
Support Win95	Yes	Yes
Support Win NT	No (ADM 3.0 Ë_Ñ%p ÎÄ)	Yes
Real-Time CPU/Memory Utilization Monitoring	Yes	No
Multi-Machine Monitoring on One Screen	Yes	No
Remote Management Protocol	ÖëÑá SNMP protocol	Intel Ë^ çèRAP protocol
Standard SNMP Trap	Yes (ÄÄÓççèÄ ÖëÑá Í€B Äf HP Open View)	No
Remote File Transfer	No	Yes

Ä Ü B ÜÏÃ ÅXÕóÈàÊ½

òf%QÈ' Ó[Ã È:ÝU»R%F ÀTÏ' Áá¿z;YUÊÁf È' àóÁóÚaÍ »RÀfAXÌP%QDÏÏ]ÈP×eËÏíóòrìP%X
ĐÍ»T



Ï½ ö: ÁÍÍmÿÁÍ¿eÄÖÖ ÈàÀsÁóÇæÄÖÖ ÇD%Ö»RÀf jumper
ÍnÁŞÇa»RÍæÑ†ÁÖ BIOS %eBi ÊäÍ' à»»RÈqÁ½Æ÷YUI¿¿¿»T
×eÍÇÍiÁóÇæÄÖÖ ÈÖ»RÈ:È:È ÁpÁÍÈ' Ö:ÇÈÄÖÏÄÈñ»RÁóÇæ
ÄÖÖ Á"Æ »X

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

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

Europe <http://www.aopen.nl>



ÇÁÇÈ: ÀsÎ^ÂUÖxØaÊíÁ Áf%ÁÁv»R×e×eÁŞÈ' %ŞÖiÓ]¼ÇÀT
ÅXÕóÈaÊ½' Áá»RÁYÖx%ÇÖi¿iÄÖÈ÷YUIÇÇ' »R¿nÆ¿UØ Ä`
ÁÄÖ»SBIOS ÄÄ¿ÖÏ¿»TÍÇÇ' ÀrÑfÖi¿i»RÁóÇæÍSÏ' %eÖë
Á^ÄÖÏ¿ñÑfÁð»RÁóPÍÈ' ¿è email Àè FAX»RÖ,,ÖöÑÖÍ,,Ö
Ï]ÈPÏ%ÇSÄ Ä ×^»RÈ' ¿¿YÁb¿èÄ Ü ÄÖÈ÷YU%eÚÍÄ
(Technical Problem Report Form)»T

ÜÏÃ ÅXÕóÈàÊ½

ÜÝÓ ¾BýçöK

- ×eÚáÆ Jumper Æ ÁpçÜ×e»RñÁpÆCPU ÁÄÓ»RÍ /Ü 0,,Ñ× (P54C/MMX)»RCPU ÚhÍ%çÇÚÚh¼ I%»T
- ×eÚáÆ0,,Ñ×Èà×^Æ ÁpËÍ%æÁeÌ0À (CPU ÇÑÈÈÆ ÁpçÜÈqÓSÚú)»T
- çU0 Ä`ÀÍÍ]¾çÜÈqí^ò Ì`ÐY(0,,Ñ×ÇÑÈÈÆ ÁpçÜÈq)»T
- ×eÌ0È!ÁiÁÍ%ÐÇÈçu%éÍ€ÌŠ0èÈà×^»Rç^òá¼BýçöçuzçYÜÌ%áÈ÷YU»T
- ÀfÆ PCI Býçöçuz»RÁ ÎÁpçÀPCI Î»0èÁèÆ Býçöçuz0i0i»T
- Ê`0èB (SIMM/DIMM) Æ ÁpÁŠ0àçÜ×e»RÁ ÎÁÈ`0èB Î»0èÁèÁpç]Ê`0èB »T
- ÚáÆÌŠ0èÈà×^ Pin 1 ¾ ÀgÆ ÁpçÜ×e»T

ÀÍÜÝÓ »RÀ "Ñ "ÀsÌP%QÇiÏvÇÈ»RÍ|Ä|Ðz¾[BIOS ÍnÁŠ:

- ÚáÆÚp×]Æ ÁpËÍPÌ¾Á"»R×e¾UÏÁNum Lock ÚpÆ LED Æ ÁpçÜÈqÜZÚ»T
- ÚáÆ Turbo Switch Æ ÁpPÚÁ (Release)»R×e¾BÁsÐ"0 ÁvÁéçè Turbo Switch»T (Pentium çY¾h0 0ó%ŠÍTurbo çnú»RTurbo Switch ÍbÑ ÁÁ Suspend Switch çè»T)

ÀóÈä Reboot»RÇÁÜèÐ"0 :

- È_CMOS Ì^Ê»BIOS ÑBÁÁ 0ŠÍnçá (default)»RÈ_ÁÏèÍnÁŠÁÁíæYÇÁŠÁÄR»T
- Ü Íq "ÜÝÓ ¾Býçö:" Ä0ÚáÆ¾ À»ç]ÌíÚáÆ»T

ÀÍÜÝÓ »RÀ Ì|Ä|Ð"0 :

- ÌŠ0èÏ|Ä|Ð"0 »RÚáÆBIOS Á0ÍnÁŠÆ ÁpÆLBA (Ì,,ÈqèvD,,¾Á 540MB) È À»T
- È_BIOS ÍnÆ0ŠÍnçá (Setup Default)»T
- Í€0èÐ"0 Æ ÁpçÜÈqRÀfAXçÜÈqRçéúÆ ÌŠ0èÈà×^ÁèÌŠ0èç0ÁÇ»T

ÌŠ0è0 Ì|Ä|Ê0Ï ÁÁçm(HDD Controller Fail»Rcan't detect HDD):

- ÚáÆÌŠ0è¾Master/Slaver ÍnÁŠÆ ÁpçÜ×e»T
- ÚáÆÌŠ0èÈà×^ÁèÁ ÎÁpçÁÌŠ0è0i0i»T

ÜÏÃ ÅXÕóËàÊ½

Í€0é/ Ña0Á/ Å]Ä Ø ¾¼ÛËqÄeÍ]Ä|¾¼ÁQ:

- a. ÚáÆuÍ€0é/Å ÅT/ÅÝÅTËá×^Æ ÁpçÛ×e»T
- b. Ð"Ó„Ñ×ËáÍ€0é0éÚj Æ ÁpËáÁQ»RÁ ÎÁÁpçÁÍ€0éÑa0Á/Å]Ä Ø òiòì»T

Ð"Ø ÈãÛp×]Í]ËáÁQÄè BIOS ßýçö Keyboard Controller Error:

- a. ÚáÆuÛp×] LED Û` (Numeric Lock) Æ ÁpÃ ÑÛçÛËq»T
- b. ÚáÆuçUØ Ä`Ä`ÚZÎÑ(Fuse) Æ ÁpÛ_Ûp(ÄéçéÓ„Û ÚáÆuÆ ÁpÍ^Ø »RÁ`ÚZÎÑÀ ò~ÀsÛp×]Î»Ë0Ëá»RÍ„ËqË0 Äü0éçöÆ F1, 3A/125V»T

Í]Ä|Ú<À† BIOS Setup ÄèÓ„ÀÚÁdÓ„ (COMS data lost, Battery Low):

- a. ÚáÆuÓ„ÀÚÆ ÁpÁdÓ„ (ÁTÄ 2.5V)»T
- b. ÚáÆu Clear CMOS Jumper Æ ÁpçÛ×e»T

ÜÏÃ ÅXÕóËàÊ½

Technical Problem Report Form	
<p>Ï¼Å • Model Name:</p> <p>Áá00 Serial Number:</p>	
<p>ÛfÏ0%Å Contact:</p>	<p>Name: _____</p> <p>TEL: _____ FAX: _____</p> <p>Email: _____</p>
<p>Ê÷ÝUÏ(Ç Error Symptom:</p>	
<p>Â‡ÏèÏÏÔR (×è0î Ç' ÅÄ00%ÄÄ¿0) System Configuration: (Please list model name and version.)</p>	<p>OS: _____ BIOS: _____</p> <p>CPU: _____ SIMM: _____</p> <p>HDD: _____ CDROM: _____</p> <p>VGA: _____ Sound: _____</p> <p>Modem: _____ Others: _____</p>