MX58 Plus

¿UØ Ä`Âé¿è¾ü¿f

Printed in Taiwan

MX58 Plus
¿UØ Ä`Âé¿è¾ï¿f

¿ÕÂé¿è¾ü¿ f ÄÔÄÃß%Ð÷Ã Åò ðÄë¿ ÀÍÇÇ¾«¿„»TÅUÒx¿Õ¾«¿„ËëÇËÍ mz»R¿ À ¾YÁ»¾⁄Ë,
ÆÊ¿ À ¿òÄÔ»RÀíÂé¿è¿ À ¾ Ä|ÃèÁèÀ»»R×àÕ†»SÐáÊvÃèÜúÐÐ¿Õ¾⁄ÿ¿ ÄÔ¿ À Í»¾Ú»T

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ÍÓÒqÑÁÇ€

ÌÞ¾QÍÓ11ÑÁàl

¾ÐÌêÂ‡ÌèÍhÈ ¾eÉdÈ ¿méú»T

ÌÞ¾XÍÓ11ÏŠß ÀŠÒà

ÏŠß ÀŠÒàÄÔÆõÝ Ò Èà»R¿má‡ Jumper Ã^ ÉÏÚj (Connector) ÄÔÀ Ò~»RÀŠÒàÊ`Øêß Õ÷Äq Ñ_ÄÔÂàÐÏ»T

ÌÞ¾eÍÓ11AWARD BIOS

AWARD BIOS ÄÔÆõÝ Ò Èà»RÀƒÊëÖàÍ nÄŠÇâÄÔÑ_Ò„»R¿Y¾èÙ_Ù Ï'À»ÄÔ¿èÄ|»T

Ä Ù 1A11ÉqÂ¼Ê÷ÝUÐÊÒë

Âé¿èÈãÈ¢Ó[Â ÄÔÀøÍ_Ê÷ÝU»T

Ä Ù 1B 1ÜÌÃ ÆXÕóËàÊ½

¿má‡Â ÁfË'ÒëÂ^Ê÷ÝUÄÔÒ ÈàÕaÅòÞÍ»T

Ä Ù 1C Jumper1ÍnÃŠÄ

ÃìÀÍ Jumper ÄÔÀTÄ »T

Óé¿öÕ»Ã

¿Y¾fÆ ¿Õ¾ü¿ f Ëq èÄÔÓé¿öÕ»Ã »X

×êÄqÑ_
Àa¾Q¿UÝU¾ÁÆöÝ Õ»Ã »T

ÞÏÁz
¾Ñ ØøÁQÈã»R¿zÉúØãÇaÀ^ÚZÅûÄX»T

×ê¾f¾ì
ÓŠ¿ ÂØ×uÊ÷ÝUÏ,¿çÄÔ¾ Ä|»T

ÇÅÇ€
Î¼Ù Ë' ØøÁQÇÅÜZ»T

Î½¿ö
Î¼ÊÄ¾^ÁQÈÞÌ%ÄÔØøÁQËÐÈ"»T

iv

¿òÙ

ÌÞ¾QÍÓ ÑÁàl

Ìޤ¾XÍÓ ÏŠß ÀŠÒà

ÌÞ¾eÍÓ AWARD BIOS

ÌÞ¾QÍÓ ÑÁàl

MX58 Plus Æ` ¿YPCI/ISA ÆÊÆÐtÄÔ **Micro ATX** Pentium ¿UØ Ä`»RÂþÃìÈÞ¿èÄÔÏÓ ¾ ÌïÆ` **SIS 5598**»RÀÓÍÓ¾ Ìï¾þÍþ¾ÑÀƒÔòÍæÑ†ÄÔÏŠß ÍhÈ »RÂìÀ**AGP** ÓéÁèÍ†ÏÏÈ Ê »S**SDRAM**»S**Ultra DMA/33**»S**Bus master IDE** ¿Y¾è**USB** Í†ÉÏÈ Ï¿»TÍ,Ð ¿UØ Ä`¾4hÀÍÂüË DIMM (Dual in-line Memory Module) ÕaÂüË SIMM (Single in-line Memory Module)»RÍæ¾4È` Øêß ÈvÐ,¿Z0W **256MB**»TMX6E Plus Ûó¾ÔÂò¾4W VGA Õa ÇÏÈÞ¿uÍÓ¾ »RÈ‘Ï]ÐÑ¿‡¿•ÛäÒ~Í¸ÂáÊ¼Íà»TÊ¼ÀÓ¾Á¿•»RMX6E Plus ÛóÂýÍà¾4WÀyÐÏ ¿ ÐÄÔ¿ñÉú»X

¾þÍÃ **32** Ìï **CPU** Èð¾üÓ„Ú½ **(Full-range CPU core voltage)** Í,Ð ¿UØ Ä`¿z¿Y¾þ ÍÃ 1.3V Â 3.5V ÄÔ CPU Èð¾üÓ„Ú½»RÓ ¿ÕÂí CPU ÄÔÄQÉßÄßÐ»Ë_Á ¿lÕ†Ä‹»T

ÀaÂS¿ ÎÅÀ» **CPU** ÝÇÚ½×^Ò **(Synchronous Switching Regulator)** ÀaÂS¿ ÎÅÀ» Ò ¾QÉ ÄÔÂÙÀaÂS¿ ÎÅÀ»ÂýÀÍ ÊÄÄÔÈÞÌ‰T¿Y¾QÉ ÚÍ¿èÀíÂ¿»RÀaÂS¿ ÎÅÀ»ÄÔ¾ÁQÑß ÅñË_ÕÑÁTÃ ÅUÀaÂSÀ»»T

ÍnÃŠÀõÊäÐ"Ø ÈäÐ» **(RTC Wake Up Timer)** Í,Çí¿ñÉú¿zß È‘ÓŠ¿ ÃŠÒ„À€¾QÇíÈä Ð»»RÂÍÑ ÈäÐ»¾QÂ »RÂ‡ÌèÅ\Ñ˜ÀõÊäÐ"Ø »TÈ‘¿z¿YÈ_Ð"Ø ÈäÐ»ÍnÃŠÀsÂTÇí¾ ÄÔÆj ¾Q ¾ë»RÃèÆ ÂT¾ëÄÔÆj ÇíÉdÃŠÈãÂ »TÂþÔ ×eÅñ¿z0WÀ Æ »T

Ó]Ó„ÆÃÀ`ßQÓ„Ò  **(Over Current Protection Circuit)** ÀsÐáÌè 3.3V/5V/12V Baby AT Ãè ATX ¿ ÎÅÀ»Ó„Ñ×ÂëÚÍØ6¾h»RÓ]Ó„ÆÃÀ`ßQÆ ÅöËqÂ¼ÄÔÓ„Ò »TÓ Ã Òàø Èã¾4¾f ¾üÄÔÏ^Ò »RÓ]Ó„ÆÃÀ`ßQÄÔ×eÅUËqÀÍÈÞ»RÀ Ñ†¾Q¿_ÄÕPU Âé¿è¾4W¾4ÀaÄÔÓ„Ú½»RÂþ Ð»Õ÷Ç€ÝÇÚ½Õ0ÓÊ_15V ÛúÍ ÅÀÂ CPU Èð¾üÓ„Ú½ (ÂìÀƒ 2.8V)»RÇ ÂíÄÔ5V Ó]Ó„ÆÃÀ`ßQ Àm ÀíÏ]Ä|¿ÛËqÓSÁQ»TAX59PRO ¿UØ Ä`ÄÔÀaÂS¿ ÎÅÀ»ÝÇÚ½Õ0ÓÍ Çƒ»RÂýÀÍ ÏÇPU Èð ¾üÓ„Ú½Ó]Ó„ÆÃÀ`ßQÄÔ¿ñÉú»RÈ‡Àì Ç ÂíÄÔÓ„Ñ×ÂëÚÍØ0ÓË_¿zÏ¼Ãè¿ ¾ À ÄÔÏ^Ò Å`ßQÉú ¾^ »T

FCC DoC Õ’Ýì Í,Ð ¿UØ Ä`ÌßÀì Æ Ê **FCC DoC** ÁTÎeÈxÔêÑáÕ’Ýì»RÁj ÂéÀsÏ]Ø ÎùÂ0ßQÄÆÐR¾f»R¾4Ï ^ ¾4Ñ˜ÐàÈq¾4Yß »TÂÝ¿SÀs¿çÌ¼¾ ÇË»RÆ |S̵O-9001 Õ’Ýì¾4¾^ Ö†»R¿Y×eÅ`Å•× ÝÇÃŠ»T

Ë{¾4ÄÔÚÍ¿èÍ€ß ¾þÍÃ (Powerful utility software supported) ÚÝÄ ÄÔ AOpen Bonus Pack CD Òæ¾ÔÁ‡ÍmÀyÈ{¾4ÄÔÚÍ¿èÏ’À»»RÂìÀƒ Norton Antivirus»SADM (Advanced Desktop Manager)»SAOchip»SHardware Monitor ¾^Âý»SSuspend to Hard Drive ¾^Âý»R¿Y¾eBIOS Ù_Ù Ï’À»»T

ÑÁàl

1.1 ÍhÈ

¿UØ Ä`ÅÆÀ»	ATX
¿UØ Ä`¾ò¾,	245 mm x 245 mm
CPU	Intel Pentium P54C, PP/MT (P55C)»RAMD K5/K6/K6-II»RCyrix 6x86/M2 õa IDT C6»T
¿UÊ`Øêß	FPM (Fast Page Mode) Ãè EDO (Extended Data Output) 72-pin SIMM x2»RõaSDRAM 168-pin x2»T ÍæÊÄ¿zÀö 256MB»T
L2 Cache	¾ÔÅò 512KB pipelined-burst cache
Î0¾ Ìï	SIS 5598 PCIset
Üi¿cÖë	ISA x2 õa PCI x3
À ÀTÊ	2 Çí UART 16C550 ÆöÈvÄÔ RS-232 À ÀTÊ »R¿‡ÀÍ¾Q Çí UART ¿z¾pÎÃÆ ¿•ׯÖìÌï»T
¿ÇÀ Ê	1 Çí¿z¾pÎÃ SPP/ECP/EPP ¾eÒòÖêÑáÄÔÂÝÀTÊ
Floppy ¾ÐÇË	1Çí Í€À»ÔéÔêØ Í†ËÏÚj »R¿zÀé¿è 720 KB»R1.44MB Ãè2.88MB È À»ÄÔ 3.5 àeÔéÔêØ »R¾è360KB»R1.2MB È À»ÄÔ5.25 àeÔéÔêØ »T
IDE ¾ÐÇË	2 Çí IDE Channel ¿zÍ†ËÏ 4 Çí IDE Òàò~(ÏŠÔêÃè CDROM)»R¾pÎÃPIO mode 4»SBus master»RÃèUltra DMA/33 Ï¿ÐáÙ ÖìÀ»»T
USB ¾ÐÇË	2 Çí USB Í†ËÏÚj »RBIOS ¿‡Á‡ USB ßi ÊäÏ'À»¿zÖìÚÚ ÐáÌèÄÔ AT Ãè PS/2 Ûþ×]»T
PS/2 ÑàÓÅ	¾ÔÅò Mini-Din PS/2 ÑàÓÅÍ†ËÏÚj »T
Ûþ×]¾ÐÇË	¾ÔÅò Mini-Din PS/2 Ûþ×]Í†ËÏÚj »T
RTC õaÓ„ÀÚ	RTC À Ã Î0¾ Ìï¾Ô»RÂé¿èCR-2032 Øj Ó„ÀÚ»T
BIOS	AWARD Plug-and-Play, 2M bit Flash ROM BIOS»T ¾pÎÃÀyÕ0ˇÀÔÄÃ¿Õ»R¿m¼R¾¾¾ÿ»T

ÌÞ¾ÆÍÓ ÏŠß ÀŠÒà

¿ÕÍÓË_¿YÎqÁáÔ¿ÐzÄÔ¾ À»»RÕ»Ã ÀƒÀ ÀŠÒàË'ÄÔÂ‡Ìè»R×ê×eÓ ÂæÑíÍ, ÂáÂSà[ÂíÀŠ
Òà»T

×ê¾ƒ¾ù: ESD (Electrostatic Discharge) ÆÊÚcÓ„Ã
Ó„¾ÁÑ_»R¿ëÃ Ù€ß Ó„Ò (IC) ÅöÈvÃ Â Â ÚcÓ„Ña
ÚÍÄÔÖ‰Œe»RÀnÀÓÑ"ÂéÑ]ÍSÌ'ØÓ»RÔéÔêØ »RÜi¿c
¿u¾êÂþ¿]ÄÔÓ†¿ Â Â ÐàÈq»TÆÊ¾ÁÚÓŠÂØÚcÓ„Ã Ó„
ÀíÑ}ÝrÎÓ¾ »R×êÙ ÀÆ¼ÆÀTÄÔÓŠÂØÈÓÆZ»X

1. Ê¼ÅUÈ' ¾ŠÑáÍàÀ€Ç€Ð"Ã}ÀŠÒàÓ†¿ »RÁpÅy¾uÒf
¾¼Ç€Ë_Ó†¿ ÀõÂØÚcÓ„¿nÒà¾¾Â ¿i»T

2. ÀsÈ' ÀŠÒàÓ†¿ Èã»RÍæÀ€Èr¾hÀÍ ÈÏÀr×^Ä¾ii
Ú »R¾{Í»¿ ÄÔÓ„¾Ó†¿ À Í¼ÀÍÀs× »TÀƒÄXÂdÀÍ
¾iiÚ »R×êÂé¿è¿ À ¿z¿YÂØ¾ ÚcÓ„ÄÔÎÚ¿_Å•»RÂí
ÕaÂ‡ÌèÓ†¿ ¾è¿UØ Ä`ÈÏÞÌ»T

2.1 Jumper Ã^ËÏÚj (Connector) ÄÔÀ Ò~

¿Y¾f ÆÊ¿UØ Ä` ¾Jumper Ã^ ËÏÚj (connector) ÄÔʇÒ~ Óé»X
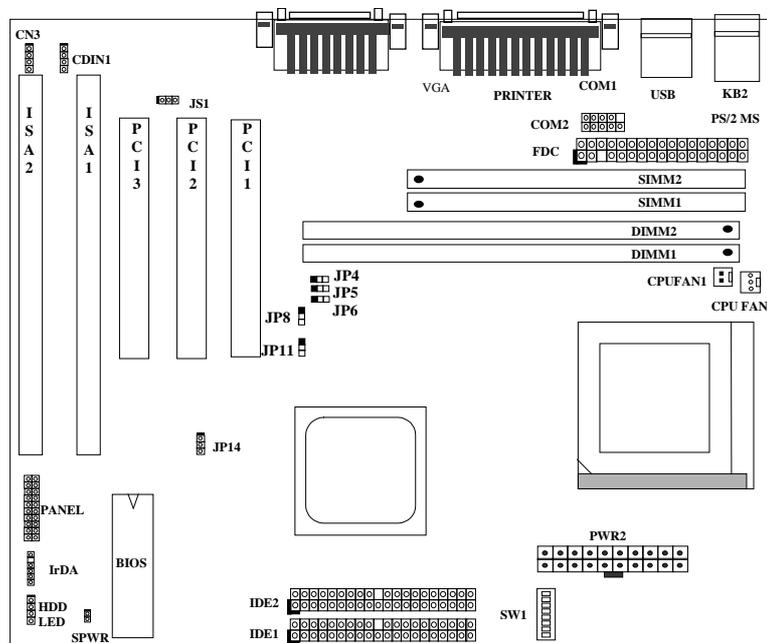
Jumpers:

SW1:	CPU Èð¾ù0„Ú¼ÕaÇÙÚћ
JP4,JP5,JP6:	CPU ¿•Í»ÚhÌ‰
JP14:	Ì^Ê¼CMOS
JP11:	VGA Ð"Ý
JS1:	ÇÏÈÞ¿uÐ"Ý

Í†ËÏÚj:

PS2:	PS/2 ÑàÓÅËÏÚj
KB:	PS/2 Ûþ×]ËÏÚj
COM1:	COM1 ËÏÚj
COM2:	COM2 ËÏÚj
PRINTER:	À]Ä Ø ËÏÚj
PWR2:	ATX Ó„Ñ×ËÏÚj
USB:	USB ËÏÚj
FDC:	Floppy ËÏÚj
IDE1:	ÌÞ¾QÌïIDE Í†ËÏÚj
IDE2:	ÌÞ¾XÌï IDE Í†ËÏÚj
VGA:	VGA ËÏÚj
CPUFAN1:	CPU ÇÑÈÊÍ†ËÏÚj
CDUFAN2:	CPU ÇÑÈÊÍ†ËÏÚj
IrDA:	IrDA (Æ ¿•×ˆÐáÙ) Í†ËÏÚj
HDD LED:	HDD LED ËÏÚj
PANEL:	Åv¾ ÇÄˋÅ ÛþÕaÙˋÒÓÍ†ËÏÚj
SPWR:	ATX Soft-Power Switch Í†ËÏÚj
CDIN1:	CDROM ÇÏÑ××ˆËÏÚj
CN3:	Mono in (Pin 1-2) Õa Mic out (Pin 3-4)

2.2 Jumpers

ÃìÙñ Jumper Î_Æ`Ñ Âé¿èÄæÇ€ËËÂ ¿UØ Ä`Æ ÁpËìÊäÀèÝ ÍÆ£j ÐÏ¿ñíúÈã»R¿ÌÐÑ×ïØý ÄÔÀ Ò~»Œumper Í„ËqÆ` ¾QÃèÀyÇíÐÜÀüÄÔÐ ×À¾ Ð Î»Às¾QÈàÄ ÀüÀÔËàÊŠ¾h»RÀí×ï ØýÄÔ¾ À»Æ` Ë_Ð ×ÀÎfÕñó ÑáÇ€ÀŠÒ~ÄÔÒ"À (pin) ÅÅÀ×Î»ÂtÁj ¿z»T¿ÕÎ½À•¿i ؇ÈãÄÔ Jumper Á»ÍñÀsÍæËq¿èÃèÍæÀè¾àÄÔÄÆÔR»RÀs×ïØýÅv×ê×eÕ'Ë'¿c¿ ¾À̀ÒëÂþÑ_Ò„»T

Àsó ÕôÄÔ¿UØ Ä`¾h»RÍ„ËqÑ"ÀÍ¿ï ÀüÄÔÌä×^Öê¿öÃ ÌÞ¾QÒ'(pin1)Ä`Ä`»RÑ ÁôÇæÕ»Áü Jumper ÍnÀs 1-2ÄÔÀ Ò~Èã»RÑ_ÅþÆ`Å Ë_Ð ×ÀÛñ¼ Ð)Î»Às pin1 Ã^ pin2 ÄÔÀ Ò~¾h»RË_Åþ Í†Ë(Ï^Ò) Às¾Q Êp»TÀfÄX ÁôÇæÕ»Áü Jumper Open Èã»R Ñ_ÅþÆ`Å Ë_Ð ×À¾ Ð ÌØÐ"»WÑ ÁôÇæÕ»ÁüJumper Short Èã»RÑ_ÅþÆ`Å Ë_Ð ×À¾ Ð Î»¾h»RÂéÂþÏ^Ò)»T

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

Ê½ÀÐáÌèÄÔ Jumper ¾Á¿•»RÍ,Ð ¿UØ Ä`¾h¾Âé¿è¾ÀÅ ÖÑÐ"Ý (DIP Switch) **SW1** ÂíÍñÄŠ CPU Èð¾ùÓ„Ú½ (Vcore) ÕaÇÙÚh»R×êÊëØñüØÂûÄÔÓéÒëÂíÊÏÍñÄŠ»TÀs¿Õ¾ü¿f ¾¾»RÇj ÀíÎ¼À Å ÖÑÐ"Ý ÄÔON/OFF»RÍ¼Æ` Âé¿èÀfÀa¾fÓéÄÔÄ ¿ö¾ À»»T

OFF   ON

ÏŠß ÀŠÒa
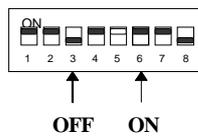
2.2.1 ÍnÃŠ CPU Ó„Ú½

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 ¿èÂíÍnÃŠ CPU Èð¾uÓ„Ú½ (Vcore) ÕaÇÙÚ́h»R ÀsDIP ¾h ÀQÀÍ 8 Û ¾Û́ÎÅÀ»Ð"Ý »RÀŠÒàÀ€ CPU ¾ÁÅû»R×ê¿èÌĐ4-8 ÌïÐ"Ý ÂíÅ ÃŠ Vcore»T¿Õ¿UØ Ä` ÀQ¾þÎš2 Ìïó„ Ú½ÍnÃŠ»RÁÓØýÄÕÄ ÀT×êÊëØnÌÞ2-7ÇĐ»T
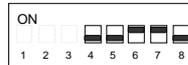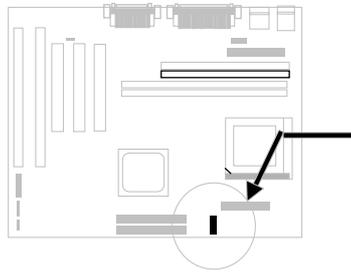
3.2V
K6-233
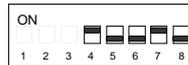
2.9V
K6-166/200 or M2

3.52V
6x86 or K5

2.8V
P55C (MMX)
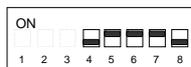
3.45V
P54C
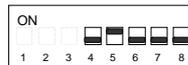
2.2V
K6-266/300 or K6-II

3.3V
IDT C6

2-5

ÏŠß ÀŠÒà

¾f Ä ÐâÀT¿i ¿òÅv¿ÅÇˬ¿zŴÄÔCPU ÍnÃŠ¾ À»»R Ó ÕôÄÔÍnÃŠÇâ¿zÉúÑ"ÕaÑ†ÄÔ
CPU ÀÍÂá¿i ¾»RÍmÃŠÈã×êÊâ¿ÌÊëØmˑ CPU ÄÔÕ»Ã ¾ÿ¿ »T

CPU	Type	Vcore	S4	S5	S6	S7	S8
INTEL P54C	Í Ó„Ú½	3.45V	OFF	ON	ON	ON	OFF
INTEL P55C	Ü Ó„Ú½	2.8V	OFF	OFF	OFF	ON	OFF
AMD K5	Í Ó„Ú½	3.52V	ON	ON	ON	ON	OFF
AMD K6-166/200	Ü Ó„Ú½	2.9V	ON	OFF	OFF	ON	OFF
AMD K6-233	Ü Ó„Ú½	3.2V	OFF	OFF	ON	ON	OFF
AMD K6-266/300	Ü Ó„Ú½	2.2V	OFF	ON	OFF	OFF	OFF
AMD K6-II	Ü Ó„Ú½	2.2V	OFF	ON	OFF	OFF	OFF
Cyrix 6x86	Í Ó„Ú½	3.52V	ON	ON	ON	ON	OFF
Cyrix 6x86L	Ü Ó„Ú½	2.8V	OFF	OFF	OFF	ON	OFF
Cyrix M2	Ü Ó„Ú½	2.9V	ON	OFF	OFF	ON	OFF
IDT C6	Í Ó„Ú½	3.52V 3.3V	ON ON	ON OFF	ON ON	ON ON	OFF OFF

ÐÏÁz: ÀƒÄXˑ Âé¿è Intel PP/MT-233 Ãè AMD K6 ‡ÀTÍSÌ ' Ø Ó»R ×êÂé¿èÒ ¾ÄÔ CPU ÇÑÈÊ»TÀƒÄXÏ]Ä|ÌßÀiÍ, Âá CPU ÄÔÎÌ Ö Õ÷ ÂU»RÂ‡Ìè¿zÉúÑ"Ï, ¿ç¾½ÇÂŠÄÔÌ' ÐÝ»TÀÍÝ Ã CPU ÇÑÈÊ»RÀsÁô ÇæÄÔ web ÉÒ (http://www.aopen.com.tw) ¾hÀÍ ÀT¿i ÆõÝ ÄÔÒ Êe»T

Î½¿ö: Í Ó„Ú½ CPUÄÔ I/OÓ„Ú½ Vcpuio (CPU I/O Voltage) Ï¿Ã Èð¾úÓ„Ú½ Vcore»RÀ Æ Ó Ã Ü Ó„Ú½ CPU Àƒ PP/MT MMX (P55C)»SAMD K6 Ãè Cyrix 6x86L/M2»RVcpuio Õa Vcore ÂÝ¾½ ÆõÀa»RVcpuio ¾éÀíÏ¿Ã Vio (PBSRAM ¾è Chipset Voltage)»T ¿Õ¿UØ Ä`ÀÍÉdÈ ×^Ò ¿z¿YÀòÊäÊÕÎ Í Ó„Ú½ÀèÜ Ó„Ú½CPU»T

Î½¿ö: Í,Ð ¿UØ Ä`Âé¿è¾W5 Ìï¾UÎÀÐ"Ý ÂíÅ ÃŠ Vcore»RÃì¿YÛq ÀQ¿zÀÍ 32 ÔòÍnÃŠÇâ»RÁ‡ÆR¾W1.3V Â 3.5V ¾ÄÐ»ÄÔÃìÀÍÓ„Ú½»R Âé¿YÅûÄQÉß CPU ÈãË_Á ÂýÖˆÃä»T

Í‚Ð ¿UØ Ä` ¿ẓ Y¾ṗÎÃ1.3V Â 3.5V ¾ÁÐ»ÄÔ CPU Èð¾ùÓ„Ú½»RÀs CPU ÄQÉßÈãÍæÂý Ö^Ãä»T¿Y¾ƒÆ` ÂìÀÍÓ„Ú¼ÇâÄÔÍnÄŠ¾ À»»X

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
2.1V	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

ÏŠß ÀŠÒà

2.2.2   Ù Øö CPU ÚhÌ‰

S1	S2	S3	CPU Frequency Ratio
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
OFF	OFF	ON	5.5x

SW1 ¾hÄÔÌÞ1-3 Ìï¾ÛÎÅÐ" Ý Æ ¿èÂí ÍnÃŠÇÙÚh (CPU Ratio) ¿èÄÔ»T

Ä Ï : Intel PP/MT MMX 233MHz Âé¿è 1.5x ÄÔÍnÃŠÂíÑ ÁQ 3.5x ÇÙ Úh¿è»RÀí AMD PR166 Âé¿è 2.5x ÄÔÍnÃŠÂíÑ ÁQ 1.75x ÇÙÚh¿è»T

CPU ¾ÔÍ»ÚhÌ‰= ÇÙÚh (Ratio) * ¿•Í»ÚhÌ‰(External bus clock)
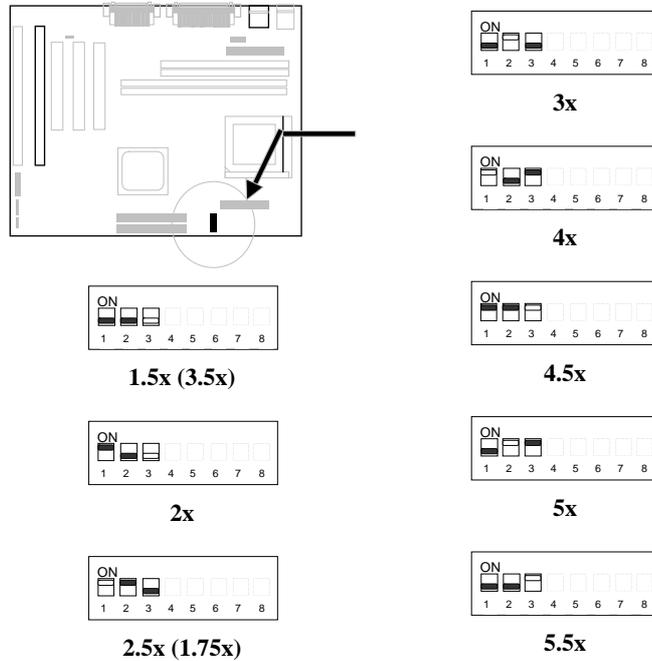
3x

4x

1.5x (3.5x)

4.5x

2x

5x

2.5x (1.75x)

5.5x

JP4	JP5	JP6	CPU External Clock
2-3	2-3	1-2	50MHz
2-3	2-3	2-3	55MHz
1-2	2-3	1-2	60MHz
2-3	1-2	1-2	66MHz
1-2	2-3	2-3	75MHz
2-3	1-2	2-3	83MHz

JP4, JP5 õa **JP6** ¿èÂíÙ Â CPU ¿•Úh(bus clock)»S AGP Clock õa PCI Clock»T

JP4, JP5 õa **JP6** ¿èÂíÙ Â CPU ¿•Úh(bus clock)»T
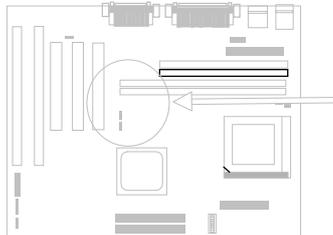
JP4 & JP5 & JP6
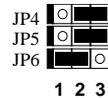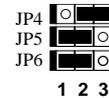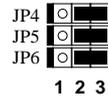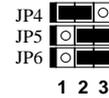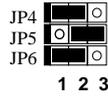
JP4
JP5
JP6
1 2 3
50MHz

JP4 & JP5 & JP6

JP4
JP5
JP6
1 2 3
66MHz

JP4 & JP5 & JP6

JP4
JP5
JP6
1 2 3
55MHz

JP4 & JP5 & JP6

JP4
JP5
JP6
1 2 3
75MHz

JP4 & JP5 & JP6

JP4
JP5
JP6
1 2 3
60MHz

JP4 & JP5 & JP6

JP4
JP5
JP6
1 2 3
83MHz

ÐÏÁz: SIS 5598 ÎÓ¾ ÌïÍæÊÄ¿z¾þÎÃ 75 MHz CPU ¿•Úh»R 83MHz ¿UÇ€Æ ¾ÔÍ»Î ÒïÈãÂé¿èÄÔ»R¿ëÃ ÀÓÍnÃŠ¾ŠÒxÐh ¿i ÎÓ¾ ÌïÄÔÍhÈ »R¿zÉuÑ"ÍŒÀÂ‡Ìè¾½ÝÇ»R×ê¾ƒ¾ùÂé ¿è»T
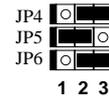
×ê¾ƒ¾ù: ¾ƒÄ ÐâÀT¿i¿òÅv¿ÅÇˤh¾Š ÆÍ „ÄÔ CPU»RÀn¾ŠÜp ÀÍÑ† CPU ÊÚ¿i»R¿Ù×eÄÔÍnÃŠ×êÊëÀì CPU Ö‡ÊíÎ¼ÂëÄÔÍhÈ »T

ÏŠß ÀŠÒà

INTEL Pentium	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
P54C 75	75MHz =	1.5x	50MHz	OFF	OFF	OFF	2-3 & 2-3 & 1-2
P54C 90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
P54C 100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
P54C 120	120MHz =	2x	60MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
P54C 133	133MHz =	2x	66MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P54C 150	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
P54C 166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
P54C 200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2

INTEL Pentium MMX	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
PP/MT 150	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
PP/MT 166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2

Cyrix 6x86 & 6x86L	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
P120+	100MHz =	2x	50MHz	ON	OFF	OFF	2-3 & 2-3 & 1-2
P133+	110MHz =	2x	55MHz	ON	OFF	OFF	2-3 & 2-3 & 2-3
P150+	120MHz =	2x	60MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
P166+	133MHz =	2x	66MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P200+	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3

Cyrix M2	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
MX-PR166	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
MX-PR200	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
	150MHz=	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3
MX-PR233	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
	166MHz=	2x	83MHz	ON	OFF	OFF	2-3 & 1-2 & 2-3
MX-PR266	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
MX-PR300	225MHz=	3x	75MHz	OFF	ON	OFF	1-2 & 2-3 & 2-3
	233MHz=	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
	240MHz	4x	60MHz	ON	OFF	ON	1-2 & 2-3 & 1-2

AMD K5	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
PR75	75MHz=	1.5x	50MHz	OFF	OFF	OFF	2-3 & 2-3 & 1-2
PR90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
PR100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR120	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
PR133	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR166	116MHz =	1.75x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2

AMD K6	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
PR2-166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PR2-200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
PR2-233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR2-266	266MHz=	4x	66MHz	ON	OFF	ON	2-3 & 1-2 & 1-2
PR2-300	300MHz=	4.5x	66MHz	ON	ON	ON	2-3 & 1-2 & 1-2

IDT C6	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4 & JP5 & JP6
C6-150	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3
C6-180	180MHz =	3x	60MHz	OFF	ON	OFF	1-2 & 2-3 & 1-2
C6-200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2

×êÄqÑ̲: Cyrix 6x86/M2 Ã^ AMD K5 CPU âé¿è P-rating ÁÓ̯ÆÊÕa Intel P54C ̇Åñ¾ Ò ÈãÄÔÊëÀìÅ Öê»RÂþ¾ÔÍ»Úhǐ%ÂÝ¾¾ÏßÀi Öê¿öÀs ¿•Ä̂P-rating»TÂìÀƒ»RCyrix P166+ Âþ¾ÔÚhÆÊ133MHz À ÈÞÉúÆ Ï¿ Ã P54C 166MHz»RÀí AMD PR133Âþ¾ÔÚhÆÊ100MHz À ÈÞÉúÆ Ï¿ Ã P54C 133MHz»T

2.2.3 Ì^Ê½CMOS

JP14	Ì^Ê½CMOS
1-2	Normal operation (default)
2-3	Clear CMOS

ÀƒÄXË'ÁëÊ` Ãì ÍɪŠÄÔ‡ÌèË\×i Èã»R¿ÌÐÑ¿ Ë_ÀÓl[^~ƒv.1ÍnÆÈ1C>Ð»RÌ^ Ê½ÂÝÇÅÍn1T^`d ÄÔÍɪŠÇâÅû»R¾ÉúÇÅÑ†Ð"Ø »T
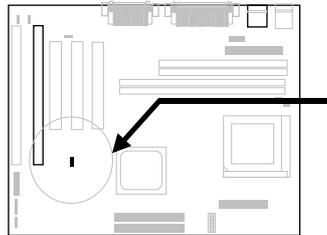
JP14

Normal Operation
(default)

JP14

Clear CMOS

Ì^Ê½CMOS ÄÔÏ'ÁáÀƒ¾f:

1. ×ê×eɪŠÓ„Ò¼ÄÔÓ„Ñ×¾ŠÝ ËÖ»T
2. Ë„ **PWR2** ËÏÚj¾hË_ **ATX** Ó„Ñ××^ÃøËÖ»T
3. ÂæØô Jumper Ê‡Ð~ÓéÁþ¿i **JP14** ÃìÀsÄÔÀ Ò~»T
4. Ë_Ð ×ÀÎ f Õn#¼ Ð)Â ¾fÂí»RÁ È^Â2-3 Ò"À ¾h »T
5. ¾QÑ‚ÂúÈãÐ»Åû»RÂ ¾f Ð ×ÀÎ f Õn¢ÅÑ†È^ ÀoÂ 1-2 Ò"À ¾h »RÅ Îp¿ÙËqØøÁQ ÄÆ ÔR»T
6. ÇÅÑ†¿ÎÐ"Ó„Ò¼Ó„Ñ×»T
7. ÀƒÄXÑbÇ€ÍɪŠÑ†ÄÔÂ‡ÌèË\×i »R¿zÀsÂ‡ÌèËìÊäÈã»RÅ ¾f [DEL] Å ÛþÐz¾[BIOS Setup Ï'À»¾¾»RÀRÇÅÑ†ÍɪŠÑ†Ë\×i »T

2.2.4 ÍnÃŠ PCI Clock

JP8	ÍnÃŠ PCI Clock
1-2	Sync (default)
2-3	Async

JP8 ¿z¿è Âí ÍnÃŠ PCI clock »T ÓŠ ÍnÇâ Æ´ Àa ÂS (sync)»R¿_Ä PCI clock Å`Å Às CPU ¿•ÚhÄÔ¾Q¿s (ÂìÀ ƒ»RÇj CPU ¿•Úh Æ´ 66MHz»Råy PCI clock ÆÊ 33MHz) »TÏ^ Àí »RPCI clock ÄÔÍh È ÍæÊÄ ÆÊ 33 MHz»RÆʾ¼WÛñÁ\Í ÇÄÂÂ‡Ìè¾¼¾ÝÇ»RÇj CPU ¿•ÚhÍÆÊ 75/83 MHz Èã»RÅòÞÍ Ë‘Ë_ PCI clock ÍÆÊÅUÀaÂS (Async)»T

JP8	JP8
1	1
2	2
3	3
Sync (default)	Async

2.2.5 VGA Ð"Ý

JP11	VGA Ð"Ý
1-2	Enabled (default)
2-3	Disabled

Çj Ë' ¾½Ñb Âé ¿è ¾Ô Åò ÄÔ VGA »R¿z¿Y Ë_ ÀÓ jumper ÍÆÊ Disabled»T

JP11	JP11
1	1
2	2
3	3
Enabled (default)	Disabled

×êÄqÑ_: ÀÓ¾ÔÅòÄÔ VGA Ñ"Âé¿èÂ Â‡Ìè¿UÊ`Øêß »RË' ¿z¿YË„ BIOS Setup ¾¼ÍnÃŠÇ€¼ÚʇÏÓ¿ÀÄÔÊ`Øêß ¾(¾ƒ»TÀÓ¿•»RÀ ƒÄXË' ¿^ÀÍÀŠÒà ¾QË DIMM»R¿ÌÐÑÒàÀs DIMM1 Î»Öë»T ÀaÖàÀr»RÇj¿^ÀÍÀŠÒàÍ ¾ þ SIMM»R¾n¿ÌÐÑÒàÀs SIMM1»T

ÏŠß ÀŠÒá

2.2.6 ÇÏÈÞÎÓ¾ Ð"Ý

JS1	ÇÏÈÞÎÓ¾ Ð"Ý
1-2	Enabled (default)
2-3	Disabled

Çj Ë'¾½Ñb Âé¿è ¾ÔÅòÄÔÇÏÈÞÎÓ¾ »R¿z¿YË_ÀÓ jumper ÍmÆÈ Disabled»T

JS1

```
1 ■
2 ■
3 ○
```

Enabled (default)

JS1

```
1 ○
2 ■
3 ■
```

Disabled

2.3 Í†ËÏÚj

2.3.1 Ó„Ñ×͆ËÏ×ˆ
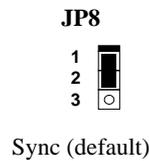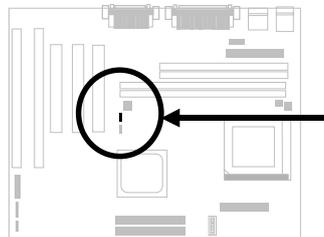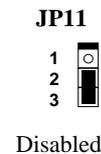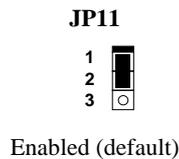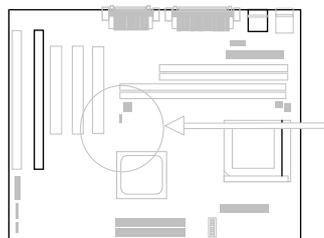
ATX Ó„Ñ×ÂëÚÍØÓÆ Âé¿èÀƒ¾ƒ ÄÔ20-pin Í†ËÏÚj »R×ê×eÃŠË'Î»¾ÄÔ¾ ÀgÆ ¿Ù×eÄÔ»T

×ê¾ƒ¾ù: ÀsÍ†ËÏÃèÃøÊ½Ó„Ñ×Í†ËÏ×ˆ¾ÁÅv»R×ê¿ Ý
ÍÆÂ‡ÌèÓ„Ñ×»T

PWR2

2.3.2   ATX Soft-Power Switch ËÏÚj

ATX soft-power switch Í†ËÏÚj Æ` 2-pin ÄÔ»T×ê¿ Ë„ ATX Ø ÎùÄÔÅv¾ ÇËÄˆ ¾hÁþ¿i
Öê¿öÆÊ "power switch" ÄÔ 4-pin Í†ËÏ×ˆ»RÏ^ Åû͆ËÏ¿UØ Ä`¾hÄ$soft-power switch
Í†ËÏÚj (Öê¿öÆÊ **SPWR**)»T

1
2
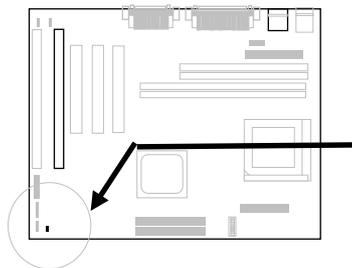
SPWR

2.3.3 ÇÑÈÊ

CPU ÇÑÈÊ¿z¿YËÏÀs 2-pin ÄÔ **CPUFAN1** Ãè 3-pin ÄÔ **CPUFAN2** ËÏÚj ¾4n»T×êÄq Ñ_»R¿ˆÀÍ 3-pin ËÏÚj ¾pÎÃÇÑÈÊÔäËË¿mÑ1ú»RÀnÆÎÍ , ÔòËÏÚj ÀÍÀy¾4W¾QÇíSENSE ËÏ Ò"»T

CPUFAN2

CPUFAN1
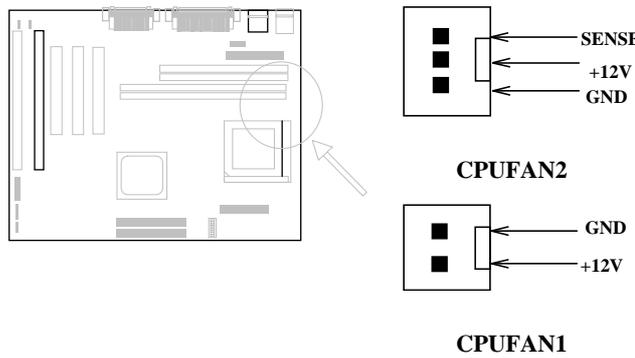
2.3.4 PS/2 ÑàÓÅ

×êÍ†ËÏ PS/21ÑàÓÅÃ Öê¿ö/Ê1**PS2 MS**lÄÔËÏÚj ¾4n»T

PS/2 Mouse
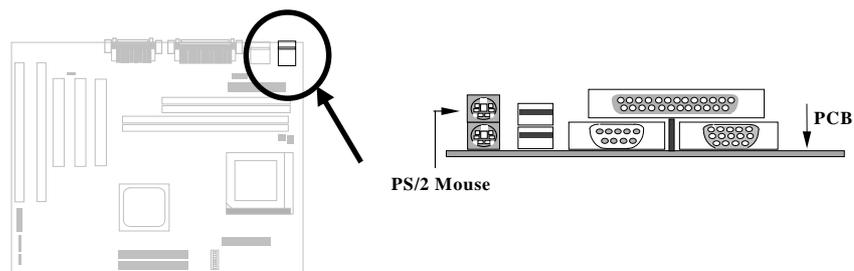
2.3.5   Ûþ×]

×êË_ PS/2 Ûþ×]ËÏÂ Öê¿öÆÊ **KB** ÄÔÍ†ËÏÚj ¾h»T
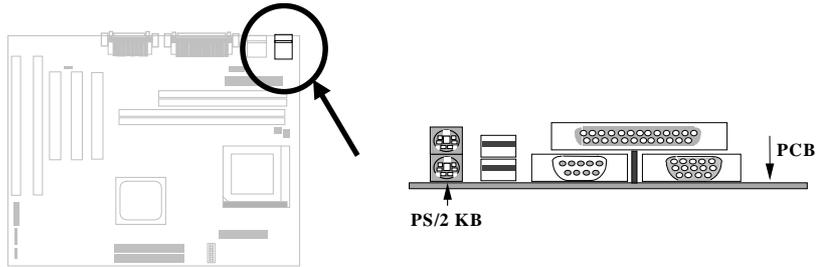
2.3.6 À ÀTÊ (COM1)

Åû¾ ÇËÄ` ¾hÀÍ¾QÇíÖê¿öÆ**COM1** Äô 9-pin D-ÅÆ ËÏÚj »R¿z¿èÂíÍ†ËÏÀ ÀTÊ ÑàÓÅ (serial mouse) ÃèÆ ÒàÖôØ »T
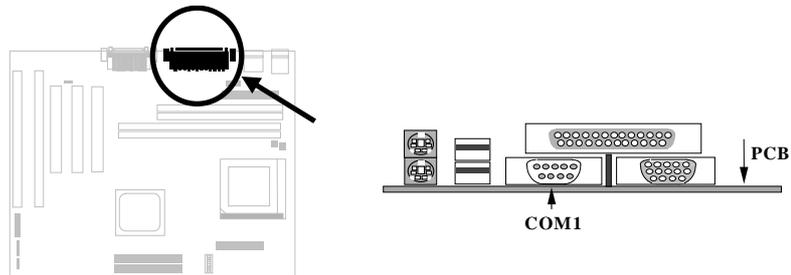
2.3.6 À ÀTÊ (COM2)

Ë_ 10-pin ÄÔËà×ˆËÏÂ **COM2**»T
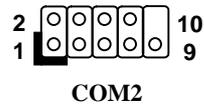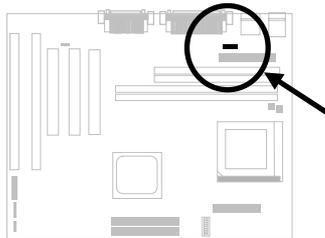

```
2  [o o o o o]  10
1  [o o o o o]  9
```

COM2

2.3.7 À]Ä Ø

¿UØ Ä`Åû¾ ÇËÄ`¾ nÀÍ¾QÇíÖê¿öÆ**PRINTER** ÄÔ 25-pin D-ÅÆÏÚj »R¿èÅíÀŠÎ»À]Ä
Ø »T

PRINTER

PCB

2.3.8 USB Òà Ò~

Ë_ USB Òà Ò~Í†ÏÂ USB ÏÚj »RÍ‚Ð ¿UØ Ä`¾ nÀÍÂüÇUSB ÏÚj »RÖê¿öÆÊ
USB»T

PCB

USB

2-18
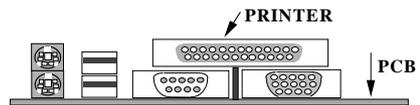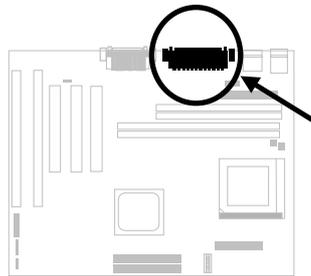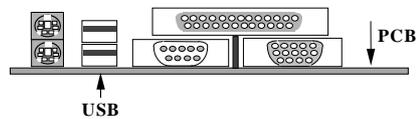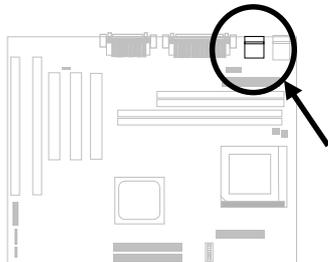
2.3.9 Í€ÔêØ

Às¿UØ Ä`¾n ÀÍ¾QÇíÖê¿öÆFDC ÄÔ 34-pin �ëÏÚj »R¿z¿èÂíÍ†��*ÏÂü¿‹Í€ÔêØ »T


```
2                    34
1                    33
```

FDC
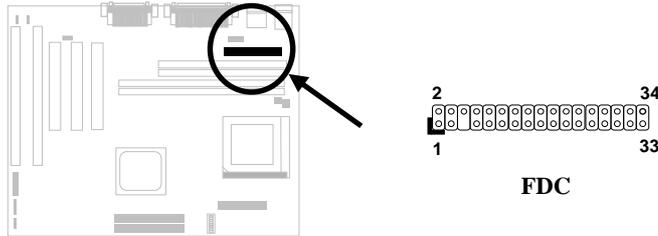
2.3.10 IDE ÏŠÔêØ Õa CDROM

Às¿UØ Ä`¾n»RꇪÍÂüÇíÖê¿öÆHDE1 Ã^ IDE2 ÄÔ 40-pin ËàÊŠ»R¿z¾ÚÁ` Í†ÏÂüÇí
IDE ÒàÒ~»RÍæÀy¿zÍ†ÏÏ¿“Çí IDE ÒàÒ~»R¾QÉ IDE1 ¾dÔóÆÊ¿UÍ„ÓU (primary
channel)»RIDE2 ¾dÔóÆÊÀÒÍ„ÓU (secondary channel)»T

Í†ÏÂüÃ ¿ ¾QÍ„ÓUÄÔÌÞ¾Q¿‹ÒàÒ~¿ÌÐÑÍ*nÆmaster mode»WÌÞ¾X¿‹ÒàÒ~¿ÌÐÑÍ*nÆ
slave mode»T¿ ¾QÇíÒàÒ~Á»¿zÆÊÏŠÔêØ Ãè¿ ÔêØ »T

×êË_Ë'ÌÞ¾Q¿‹ÒàÒ~ÍnÆmaster mode ÂÝËÏÃ IDE1»RÌÞ¾X¿‹ÒàÒ~ÍnÆ slave
mode ÀaÖaëÏÃ IDE1»TÀfÄXË'ÀÎÌÞ¾e¿‹¾èÞ¿“¿‹»R×êÂæÁáÏÀÂ IDE2 ÄÔ master
¾è slave mode»T
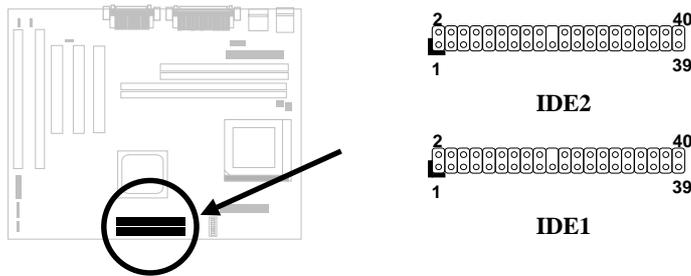

```
2                    40
1                    39
```

IDE2

```
2                    40
1                    39
```

IDE1

ÏŠß ÀŠÒà

IDE2 (Secondary Channel)

Slave (4th)   Master (3rd)

IDE1 (Primary Channel)

Slave (2nd)   Master (1st)
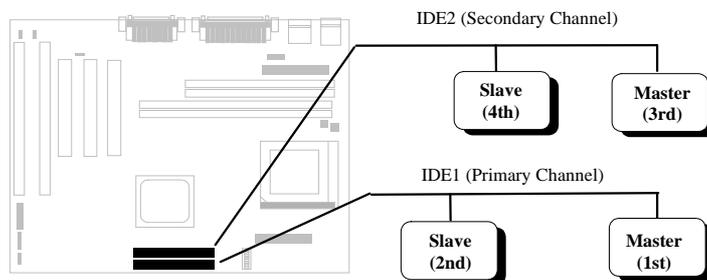
2.3.11 Hard Disk LED

ÏŠÔê LED Å ¿öÙ` Ôê¿öÀÂ **HDD LED**»RÍ¸ ÇíËàÊŠ¿z
ØR¿èÃ ÀƒÔò¾⁄ÀaÄÔØ Îù»RÀƒÄXÃì ÀŠÒàÄÔØ Îù Åv¾⁄
ÇËÀ` Ä ÀÍ 4-pin Í†ËÏ×ˆ»R×êÅ×ËÏÎ»¾⁄n »TÀƒÄX¿ˆÄ
2-pin ÄÔÍ†ËÏ×ˆ»R¿z¿YÙ ØöÀŠÎ» 1-2 Ãè 3-4»RÀ ×ê
ÄqÑ̲Ñ¿Ãä»T

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

1 + 2 - 3 - 4 +

HDD LED

4-pin connector

1 + 2 - 3 - 4 +

HDD LED

2-pin connector at pin 1-2

1 + 2 - 3 - 4 +

HDD LED

2-pin connector at pin 3-4

2.3.12 Åv¾ ÇËÄ` ËÏÚj

Åv¾ ÇËÄ` ËÏÚj Æ20-pin ËàÊŠ»RÖê¿öÀÂ **PANEL** »T ÀÓ Ëà ×ˆ ËÏ Új  ¿z Í† ËÏ Ó„ Ñ× (power) LED  Å  ¿ö Ù` »R Ûþ ×] Ü (keylock)»RÇÅÑ†Ð"Ø (reset) Å Ð†»RÍ¿' (speaker) Ï¿»TË' ¿z YÂæ¿|ÓéÂíÀŠÒà»T

ÀÍÂáØ ÎùÆ Âé¿è 5-pin Í†ËÏ×ˆÂí Í†ËÏ Ûþ ×]Ü ÕaÓ„Ñ× LED Å ¿öÙ` »RÀn ÆÍ ,ÂùÌ ïËà ÊŠÆ ÆöØWÄÔ»RÂì ¿ YÂé¿è ¾1n ¾n¾¾Ñ"ÀÍ Ê÷ ÝU»T


```
           1   11
     GND  [■ ○]  +5V
 KEYLOCK  [○ ○]  GND
ACPI & POWER LED [○ ○] Reserved
     GND  [○ ○]  GND
     +5V  [○ ○]  NC
 SPEAKER  [○ ○]  NC
     +5V  [○ ○]  GND
     GND  [○ ○]  NC
      NC  [○ ○]  RESET
 SPEAKER  [○ ○]  GND
          10   20
```

PANEL

PANEL

ÀƒÄXØ ÎùÅvÇËÄ` ¿ˆÄ 12-pin1 ÄÔÍ†ËÏ ×ˆ»RË' ¿z YÂæ¿|ÓéÄÔ¾ À»ÂíÀŠÒà»R×ê ×eÃŠÍ†ËÏ×ˆÄÔÆ ×ˆÆ Í†ËÏÂ 1+5V1ÄÔÀ Ò~»T


```
   1   11
 [○ ○]  +5V
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 [○ ○]
 10  20
```

PANEL

2-21

2.3.13 Æ ¿•×^ÐáÙ Ê (IrDA)

¿Õ¿UØ Ä`ÄÔÎÞ¾XÀ ÀTÊ (serial port 2) ¿z¾þÎÃ IrDA Æ ¿•×^ÖìÌ ï»TÃìÙñ IrDA (Infrared Data Association) Ç ¿ÕÆ ¿ë HP»SCompaq»SIBM Ï¿ÛƒÀi ÀÂ¿ùÄÔ¾Q Çí Ìï ÜÎ»R¿èÂí ÈÚÖ†ÓS¿èÆ ¿•×^Ðá×^Ò ÈàÄÔÁøÍ_ÕaÚÍ¿è»TÅûÂí ÍÈÞ ÀÍÖ‡Êí¿l ¾¼[»R IrDA å\Í%âSÁèÀÂÆ ¿•×^ÐáÙ ÄÔÖêÑá»T¿^Ç€Ë'ÄÔÕ„Ò¼ÂýÍàÆ ¿•×^ÐáÙ ¿m Éú»R¿SÌßÀi IrDA ÍñÂŠ»RÎ_ÉúÊ Às¾QÂŠÐkÜ ¾Ô»R¾¼Ð÷Ç€Í†ËÏ×^¾ÆÂ̆ËÏ»RÁj ¿zÀôÊäÕaÏÁÊ` ÅÆ̓„Ò¼ÂèÇí¾YÖàÀ  Áf Ì' (PDA)  Æ̓¾ÆÍ†×^»SÐáÕÖÚãÈñÒ  ÈàÃèË_ ¾¼ÿ¿  ÊvÂ  ¾þÎÃ  IrDA  ÄÔÀ]Ä  Ø  ÀTÀ]»T¿Õ¿UØ  Ä` ¿z¾þÎÃHPSIR (115Kbps, 1 meter) »S ASK-IR (56Kbps) Õa Fast IR (4Mbps, 2 meters) Ï¿ÍhÈ »T

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

ÀŠÒàÈã»R×êË_IrDA Æ ¿•×^ÖìÌ ïÀŠÎ»Â ¿U Ø Ä`  ¾hÖêÀÍ**IrDA**  ÄÔËàÊŠ»TÀŠÒà¾ÁÅû»RË` Ûó¿ÌÕ÷Ð"Ëì1SZ` d1dv‡^ƒ1¾ÔÄÔÆ ¿•×^¿ñÉú»R ¾ ¿z¿ÙÈç¾¼ÁQ»T

IrDA

2.3.14 CD ÇÏÑ××ˆËÏÚj

Í‚ÇíËÏÚj Æˆ¿èÂíÍ†ËÏ CDROM ÄÔÇÏÑ××ˆ»T

CDIN1

2.3.15 Mono In/Mic Out ËÏÚj

Í‚ÇíËÏÚj¿z¿èÂíÍ†ËϾ¼ÔËÏÀ»ÖàØô¿uÄÔ Mono In/Mic Out ËÏÚj»TẦþ¾½»pin 1-2 Æ **Mono In**»pin 3-4 Æ **Mic Out**»TÇ€ÄqÑ_ÄÔÆˆ»R¿òÅvÍ‚¾QÝ ÄÔËÏÚj ÂÝÂdÀÍÃe ÃŠÄÔÖêÑá»R¿ˆÀ̾ðÖàÄÔÖàØô¿uÀÍ̾ÂëÍ‚ÇíËÏÚj »T

Ù ÛäÅv×ê¿ ÊëØ꡾ ÄÔËÏÒ"ÃŠÒ„»RÂÝÀgÖàØô¿uÄÔÖ‡Êí ÒùÊ÷Ì^Ñ»»T

Pin	Description
1	Mono In
2	GND
3	GND
4	Mic Out

Mono In/Mic Out

2.4 ÀŠÒà¿UÊ`Øêß

Pin 1

Pin 1
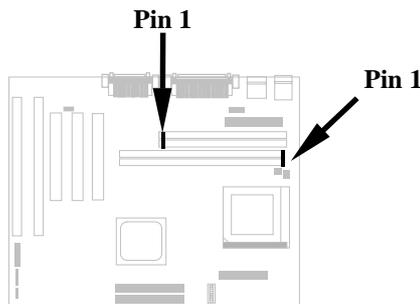
ÀÓ¿UØ Ä`ÀÍ 2 Ë DIMM (Dual-in-line Memory Module) Î»Öëõa 2 Ë SIMM (Single in-line Memory Module)»R¿z¿Y ¾þ ÎÃ EDO (Extended Data Out) Ã^ SDRAM (Synchronous DRAM)»R ÍæÊÄ ÈvÐ„¿óWÂ **256MB**»T

Çj ÀaÈãÀŠÒà **DRAM** Às **DIMM2** õa **SIMM**»RÁaÁ` Í Ç̈Ü ÇËÎ_ßöË ÅöÇÅÇ€ ¾W»TÀsÍ , ÔòÄÆÄƒ¾ƒ »RÈ'¿^ÉúÂé¿èÍ ÇË ÄÔ DRAM»T

¿Õ¿UØ Ä`Ãì¾þ ÎÄÄÔSIMM ÖìÌïÀƒ¾ƒÃìÇ'»X

I. ÈvÐ„: Í ÇËÆÊ 1Mx32 (4MB)»S4Mx32 (16MB)»S16Mx32 (64MB)»SÀíÜ ÇËÆÊ 1Mx32x2 (8MB)»S4Mx32x2 (32MB)»S16Mx32x2 (128MB)»T

II. Í‡Åñ: À†Â Í‡ÅñÆÊ 60ns Ãè 70ns»Th ¿_Ä ¾þÄÔǇ¾V̀Ò¾ »RÀí s ¿_Ä "second (Æ)"»R60ns Áj 60 Çí¾þÄÔǇ¾V¾Ú¾Á¾QÆ »T

III. Ý Á`: FPM (Fast page mode) Ãè EDO (Extended data output)»T

IV. ÀaÀ ¾Ò: Ï] parity (32 bit)»T

¿Õ¿UØ Ä`¿z¿Y¾þ ÎÄÖêÑá64 bit ÄÔ DIMM ÖìÌï»T

I. ¾¼¾ƒ: Í ÇËÆÊ 1Mx64 (8MB)»S2Mx64 (16MB)»S4Mx64 (32MB)»S8Mx64 (64MB) »S 16Mx64 (128MB) »WÀí Ü ÇË ÆÊ 1Mx64x2 (16MB) »S 2Mx64x2 (32MB)»S4Mx64x2 (64MB)»S8Mx64x2 (128MB)»T

Î½¿ö: ÀÍÇí¾ Ä|¿z¿YÚàÆuË'ÄÔ DIMM Æ Í ÇËÛóÆ Ü ÇË -- Æ÷Æ÷DIMM ¾hÇËÄÔ pin 114 õa pin 129»RÀƒÄX ÀÍÊ‡Ò~Ó„Ò »RÍ , Ë DIMM ¿zÉúÎ_Æ Ü ÇËÄÔ»WÁpÅy Î_Æ Í ÇËÄÔ»T×êÊëÑí¾ƒÇËÄÔÓéÒë»T

Pin 129   **Pin 114**
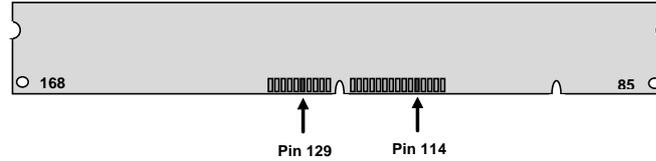
ÞÏÁz: ÇjÀaËãÀŠÒà **DRAM** Às **DIMM2** Õa **SIMM**»RÁaÁ`Í ÇË/Ü ÇËÎ_ßö Ë, ÅöÇÅÇ€¾W»TÀsÍ, ÔòÄÆÄƒ¾ƒ»RË' ¿ˆÉúÂé¿èÍ ÇËÄÔ DRAM»T

II. Í‡Åñ: ¾QÉ Æ Öê¿öÀƒ-12 Í, ÔòÅÆÀ»»RÍ, Ä ¿öÀ†Â Í‡Åñ (clock cycle time) Æ 12ns»RÃì¿YÀÓSDRAM Íæ¾ÄÔ clock ÆÊ 83MHz»TÛóÀÍ¿‡¾QÔòÖê¿öÆ ÀƒÀa-67 Í, ÔòÅÆÀ»»RÄ ¿öaâSÒ ÈàÐáÙ ÍæÁ𿿠67MHz»T

III. **Buffered** Õa **non-buffered:** ¿Õ¿UØ Ä`¾ÞÎÃnon-buffered DIMM»TË'¿z¿YÂæ0ô DIMM ¾h ÇËÉä¾WÄÔ Ò~»RÂíÁaÁ`non-buffered Õa buffered DIMM»T×ê ÊëÑí¾ÆÓéÃì¿ö»X

Reserved | **non-buffered**
buffered
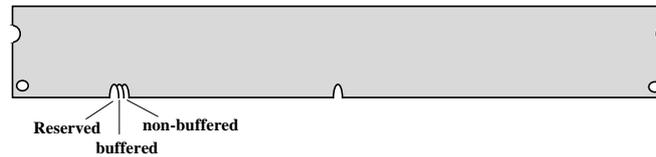
¿ëÃ Éä¾WÄÔ Ò~¾ÞÀa»R¿ˆÀÍ non-buffered DIMM ¿z¿YÎ»¾[¿UØ Ä`¾hÄÔDIMM Î»Öë»TÛ Ï^¿òÀv¿ÅÇˤhÆÂ ÄÔDIMM Í½¾ŠÒxÆ non-buffered ÄÔ¾W»RÁôÇæ¾ÆÅò ÞÍË'Àsò ÛäÈãÍæÀ€ÓóÆ Ò ÃËÈrÒùÊ÷Ì^Ñ»»T

IV. **2-clock** Õa **4-clock signals:** Û Ï^2-clock Õa 4-clock ÄÔ DIMM Í½¿z¿Y¿èÀsÍ, Ð ¿UØ Ä`¾h»RÀ ÆÊ¾WÂ‡Ì èÝÇÃŠÃäÏõÑb»RÁôÇæ¾ÆÅòÞÍË'ÍæÀ€Âé¿á-clock ÄÔ SDRAM»T

Î½¿ö: Ç€ÚàÆuË'ÄÔ SDRAM Æ 2-clock ÛóÆ 4-clock ÄÔ»R¿z¿YÆ÷Æ÷ pin 79 Õa pin 163»RÀƒÄXÀÍÊ‡Ò~Ó„Ò Î_ÚÍÒíÆ 4-clock»WÁpÅyÅ\Æ 2-clock ÄÔ»T

V. ÀaÀ ¾Ô: ¾ÞÎÃÖêÑáÄÔ 64 bit wide (Ï] parity) ÄÔ DIMM ÖìÌï»T

ÏŠß ÀŠÒà

BIOS ¿zÀõÊäÊÕÎ Ê`Øêß ÄÔÈvÐ„¾èÅÆÀ»»R¾Õ÷Âé¿è Jumper ÍñÃŠ»TÍ,¾ ¿UØ Ä`Íæ ¾¼ÀÔÊ`Øêß ÈvЄÆ 256MB»T

SIMM1	SIMM2	Subtotal of Bank0
None	None	0MB
4MB	4MB	8MB
8MB	8MB	16MB
16MB	16MB	32MB
32MB	32MB	64MB
64MB	64MB	128MB

DIMM1	Size of DIMM1
None	0MB
8MB	8MB
16MB	16MB
32MB	32MB
64MB	64MB
128MB	128MB

DIMM2	Size of DIMM2
None	0MB
8MB	8MB
16MB	16MB
32MB	32MB
64MB	64MB
128MB	128MB

Total Memory Size = Subtotal of SIMM1 + Subtotal of SIMM2

+ Size of DIMM1 + Size of DIMM2

ÞÏÁz: ÁôÇæÂŸ¾¼ÀòÞÍ SIMM Õa SDRAM DIMM Ìgβ»»RÊ¼ÅU Ë`ÄÔ SDRAM ÉúÊ ÈvÁî 5V Ó„Ú½(5V tolerance, Àƒ Samsung Ãè TI)»TÁpÅy¿zÉúÑ"ÀnÆÉÓ„Ú½¾íÊÄ»RÀíÑ}ÑÎ SDRAM»T

×êÄqÑ_: Ë'¿ÌÐÑÂé¿èÂüË ÆõÀaÄÔ SIMM»T

×êÄqÑ_: ÀͼÑ¼QÂáÒ ÜÜÄÔ DIMM Æ ËÞ¿è EDO ÄÔÊ`Øêß ÎÓ ¾ »RÀnÀÓ¿^ÉúÈÏÂ 5V»R¿zÉúÏ]Ä|¿èÃ Í,¾ ¿UØ Ä`ÄÔ DIMM Î»Öë»RÅòÞÍ Ë' ÍæÀ€Ù ¿èÉ^¿Ù 3.3V ÄÔ SDRAM DIMM»T

¿Y¾fÀT¿åòÞÍÂé¿èÄÔ DRAM Ïïài »X

SIMM Data chip	SIMM Parity chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	SIMM ¾(¾f	Æ ÁpÅòÞÍ
1M by 4	None	1Mx32	x1	8	4MB	Yes
1M by 4	None	1Mx32	x2	16	8MB	Yes
1M by 4	1M by 1	1Mx36	x1	12	4MB	Yes
1M by 4	1M by 4	1Mx36	x1	9	4MB	Yes
1M by 4	1M by 4	1Mx36	x2	18	8MB	Yes
1M by 16	None	1Mx32	x1	2	4MB	Yes
1M by 16	None	1Mx32	x2	4	8MB	Yes
1M by 16	1M by 4	1Mx36	x1	3	4MB	Yes
1M by 16	1M by 4	1Mx36	x2	6	8MB	Yes
4M by 4	None	4Mx32	x1	8	16MB	Yes
4M by 4	None	4Mx32	x2	16	32MB	Yes
4M by 4	4M by 1	4Mx36	x1	12	16MB	Yes
4M by 4	4M by 1	4Mx36	x2	24	32MB	Yes

SIMM Data chip	SIMM Parity chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	SIMM ¾(¾f	Æ ÁpÅòÞÍ
16M by 4	None	16Mx32	x1	8	64MB	Yes, but not tested.
16M by 4	None	16Mx32	x2	16	128MB	Yes, but not tested.
16M by 4	16M by 4	16Mx36	x1	9	64MB	Yes, but not tested.
16M by 4	16M by 4	16Mx36	x2	18	128MB	Yes, but not tested.

ÏŠß ÀŠÒå

DIMM Data chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	DIMM ¾{ ¾f	Æ ÁpÅòÞÍ
1M by 16	1Mx64	x1	4	8MB	Yes
1M by 16	1Mx64	x2	8	16MB	Yes
2M by 8	2Mx64	x1	8	16MB	Yes
2M by 8	2Mx64	x2	16	32MB	Yes
4M by 16	4Mx64	x2	8	64MB	Yes
4M by 16	4Mx64	x1	4	32MB	Yes
8M by 8	8Mx64	x1	8	64MB	Yes
8M by 8	8Mx64	x2	16	128MB	Yes

DIMM Data chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	DIMM ¾{ ¾f	Æ ÁpÅòÞÍ
2M by 32	2Mx64	x1	2	16MB	Yes, but not tested.
2M by 32	2Mx64	x2	4	32MB	Yes, but not tested.

¿Y¾f ÀT¿¼¼ÅòÞÍÂé¿èÄÔ DRAM ÌïÀi »X

SIMM Data chip	SIMM Parity chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	SIMM ¾{¾f	Æ ÁpÅòÞÍ
1M by 1	None	1Mx32	x1	32	4MB	No
1M by 1	1M by 1	1Mx36	x1	36	4MB	No
1M by 4	1M by 1	1Mx36	x2	24	8MB	No
4M by 1	None	4Mx32	x1	32	16MB	No
4M by 1	4M by 1	4Mx36	x1	36	16MB	No
16M by 1	None	16Mx32	x1	32	64MB	No
16M by 1	16M by 1	16Mx36	x1	36	64MB	No

DIMM Data chip	ÂTÇË bit Öà¿ò	Í Ü ÇË	Chip Öà¿ò	DIMM ¾{¾f	Æ ÁpÅòÞÍ
4M by 4	4Mx64	x1	16	32MB	No
4M by 4	4Mx64	x2	32	64MB	No
16M by 4	16Mx64	x1	16	128MB	No

2.5 ¾ÔÅòÇÏÈÞ¿u

Í, ¾ ¿UØ Ä` ¾ÔÅò¾W16-bit ÄÔ Crystal CX4235 ÇÏÈÞÍSÌ'ÎÓ¾ »RÂþÂýÀÍ¿Y¾f ÄÔÉd Ãä»X»T

q   ¾þÏÃ Microsoft Direct Sound»T
q   ¾þÏÃ Windows ÚYÎ»Áj ¿è(Plug & Play) »T
q   ¾ÔÅò MIDI ¾ÐÇË»R¿zß Ë'¿•ËÏÂþ¿ÀÄÔ MIDI ÍnÍà»T
q   ¿zÍ'Ó]Í€ß ËÊ ÕaÖ×Ã ÀyÔòÈ À»ÄÔÇÏÖð»T
q   ¾ÔÅòÀÍ CD audio»Sline-in»RÕamicrophone inputs ËÏÚj »T
q   ¿z¿YÍ€ß ¾ À»ÍnÄŠ I/O address»SDMA Õa IRQ»T
q   ¿ Ü ¾ÇÏÈÞÓSÁQ- ÀaâSÖ×Ã / Ù ÇÏ»T
q   44.1KHz ÇÏÈÞÅ•× »T

Ë'¿zÊëØnï¼ÓéÂíÍ†ËÏ£ôÝ ÐxÝþÍnÍà»T

ÏŠß ÀŠÒ́a

ÀÓÇÏÈPÎÓ¾ ÄÔßi ÊäÏ'À»ÕaÚÍ¿èÏ'À»Í½ÔÁ‡Às¿UØ Ä`ÚŸÄ ÄÔAOpen Bonus Pack CD-ROM ¾¾»RÅþÒ È'Àƒ¾fÃì¿ö»X

ßiÊäÏ'À»	X:\Mx58plus\Sound\Driver
ÚÍ¿èÏ'À»	X:\Mx58plus\Sound\App

X: Ä ¿öË'ÄÔ¿ ÔêØ ¿_ÒÓ»TÀsßi ÊäÏ'À»¾ ÇË»RÊ½4WWindows 95/98 ¾Á¿•»RÁôÇæ¾n Î¼Âë¾WWindows 3.1»SWindows NT 3.51 Õa Windows NT 4.0 ÄÔßi ÊäÏ'À»»R¾ Å\ Ë'Âé¿è¾ÀaÄÔÁQÑ•Â‡Ïè»T

ÀíÀsÚÍ¿èÏ'À»¾ ÇË»RÅyÀÍ Music Center (Àƒ¾fÓéÃì¿ö)»SMIDI Board Õa MIDI Player»TÒîÌíÂé¿è¾ À»»R×êÊëØnÒíÍ€ß ÄÔ׶¾h Õ»Ã »T

MIDI Player: ¿èÂíÖ×Ã MIDI Úã

3D Controller: ËËÂ 3D ÈÞÄX

CD Player: Ö×Ã ÇÏÖð CD

Wave Player: Ö×Ã Wave È À»ÄÔÇÏÖð

Multimedia Mixer: ¿èÂíËËÂ Û€ÇÏ¾ÚÆÊ¾ÀaÛ€ÓUÙ ¿i Èã ÄÔÈÞÄX

2.6 ¾ÔÅò VGA

¿Õ¿UØ Ä`ÀÍ¾ÔÅòVGA»RÑ‰Âé¿èÂ Â‡Ìè¿UÊ`Øêß »RË‘¿z¿YË„ BIOS Setup ¾¼mÃŠ Ç€¾UꇃÎ¿ÀÄÔÊ`Øêß ¾¾ƒ»TÀÓ¿•»RÀƒÄXË‘¿ˆÀÍÀŠÒà¾QË DIMM»R¿ÌÐÑÒàÀs DIMM1 Î»Öë»T ÀaÖàÀr»RÇj ¿ˆÀÍÀŠÒàÍ ¾‡SIMM»R ¾¾ÌÐÑÒàÀs SIMM1»T

ÚYÄ ÄÔAOpen Bonus Pack CD-ROM ¾¾¿z¿YÁþÂ VGA ÄÔßi ÊäÏ'À»T

| ßiÊäÏ'À» X:\Mx58plus\VGA |

X: Ä ¿öË‘ÄÕ¿ ÔêØ ¿_ÒÓ»TÀsßi ÊäÏ'À»¾ ÇË»RÊ½¾W Windows 95/98 ¾Á¿•»RÁôÇæ¾n Î¼Âë¾W Windows 3.1»S Windows NT Õa DOS ÄÔßi ÊäÏ'À»R¾ Å\Ë‘Âé¿è¾ÀaÄÔÁ Ñ•Â‡Ìè»T

Çj Ë‘¾Ñb Âé¿èÀÓ¾ÔÅòÄÔVGA»R¿z¿YË_jumper 11 Ím‡Ê Disabled»T

JP11

1 ■
2 ■
3 ○

Enabled (default)

JP11

1 ○
2 ■
3 ■

Disabled

ÌÞ¾eÍÓ Award BIOS

¿ÕÍÓË_õ»Ã ÀƒÀ ÍñŠÂ‡ÌèÊëÖà»RË'¿¿ YÂé¿è AOFlash Í¸Çí¾ÂýÏ'À»ÂíÁ Ñ†¿UØ Ä`ÄÔBIOS»T

ÇÅÇ€: ÀnÆÊ BIOS codeÑ"ÚÏÏõ‡ÌèÍ€ÏŠß ÄÔÍnÇƒÇñÁ ÀíÁ Ðz»RÃì¿Y¿ìÍwÈãÄÔ BIOS ÄÃ¿Õ¿zÉúÑ"õa¿ÕÍÓ¾Ð ÌêÄÔ¾ÔËv (ÉdÁ`Æ Chipset SetupÊëÖà) ÀÍÂáÈ‡ÌÁ»T

AWARD BIOS

3.1   Ðz¾[BIOS Setup ¿UÙ Í

BIOS Setup Æ`¾QÆ„À†Ã Ã Flash ROM ÄÔϒ»×ì »R¿z¿Y¿èÂíÁ Á ‚†ÏèÊëöà»RÂÝ
Ë_¾Á†Ã 128 byte ÄÔ CMOS RAM ¾¾»RÂé¿èÄæÀƒÇ€Dz¼[BIOS Setup ¾¾»R¿ˆÇ€
ÀsЮ Åû†ÏèÊ À   POST (ÀõÁôÎ Ðï) Èã»RÅ ¾f DEL Å Ûþ»RÅ\¿zÐz¼[AWARD
BIOS Setup ÄÔ¿UÙ Í »T
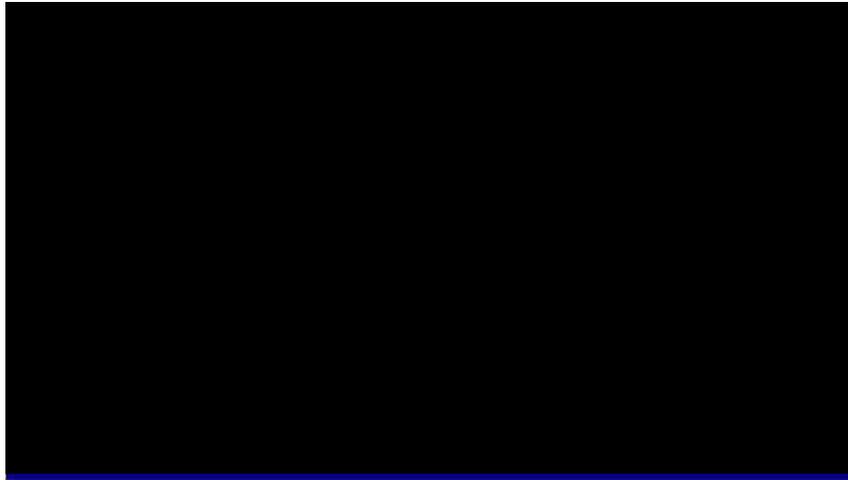
> Φ½¿öK1Ù Øö "Load Setup Defaults" ¿zÒ ¾Â†ÏèÓŠ
> ¿ ÍnÃŠÄÔÊëÖàÇâ»WÀíÙ Øö "Load Turbo Defaults"
> Åy¿zÂé¿èÒ ÁðÄÔÊëÖàÇâ»RÀ ¿ÌÐÑÆ`Ò ÜÎ Í ÄÔ‡
> ÏèÏïÀì»T

ÀsÏvÇ˾f¾ À;¾QÅ ¿`À »RÁ2ÐUˑÀƒÀ Ë_ÅX¿ ÊéÏØÂ Ù Ðϼ¾h»RÀƒÀ Á Á ÍnÃŠ»R¿Y¾è
ÀƒÀ Ë„¾QÇíÏvÇÈÏØÂ ¿‡¾QÇíÏvÇ˻TÁb¿è¾ ÀgÛþ»R¿Ë_ÅX¿ ÊéÏØÂ Ë Çñ Á ÄÔÙ Ðϒ
¾h»| SHIFT || F2 | ¿z Á ßöÙYÓ ÄÔßý¿öÀüË~»W_____ ¿zÜ Ð"ÍnÃŠÏvÇ˻W| F10 | ¿zÀsÜ Ð"Åv
À†Úã»TÍæ¾fÇ˾QÀ Æ Ó Ãìù ÐÏ¿òÄÔÜϾD»T

Ù Â ¾QÇíÐϿòÅû»R¿z¿YÅ ¾_____ ÂíÙ Â ÃèÐz¼f¾QÖyÙ Í »T

3.2 Standard CMOS Setup

Ù Øö "Standard CMOS Setup" ÍñÄŠÏvÇË»R¿z¿YÙ ØöÂ‡ÏèÄÔÊ ¿ÕÍñÄŠ»RÀ ƒÙ ¾{¾
ÎÛ»SÈãÐ»¾êÔéÔêØ ÅÆÐRÄÔÍñÄŠÇâ»TÂé¿èÄæ¿zÁb¿è¾ ÀgÛþË_¾é¿ïÊéÌØÂ Ë ÇñÁ ÄÔÙ
ÐÏ¾n»RÀRÂé¿ ▬▬▬▬ Ãè ▬▬▬▬ Å ÛþÍñÄŠÙ ÐÏÄÔÊëÖàÇâ»T
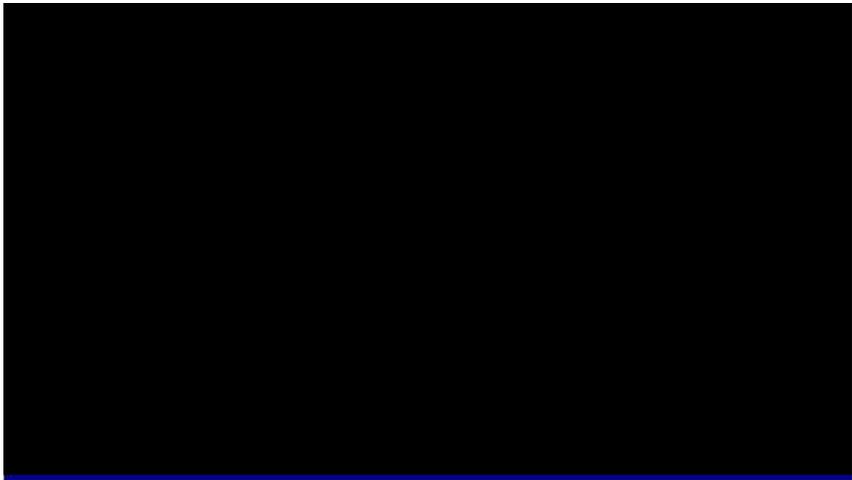
Standard CMOS à Date

À ƒÄXË‘ÑbÇ€ÍñÄŠ¾ ÎÛ»R¿z¿YÁb¿è¾ ÀgÛþË_¾é¿ïÊéÌØÂ **Date** ÊëÖàÍS»RÀRÅ ¾f
PGUP Ãè ▬▬▬▬ ÍñÄŠ¿òÅvÄÔ¾ ÎÛ»T¾ ÎÛÄÔÊëÖàÈ À»ÆÊ¾ »S¾ Ã^À•»T

Standard CMOS à Time

À ƒÄXË‘ÑbÇ€ÍñÄŠÈãÐ»»R¿z¿YÁb¿è¾ ÀgÛþË_¾é¿ïÊéÌØÂ **TIME** ÊëÖàÍS»RÀRÅ ¾f
▬▬▬▬ Ãè ▬▬▬▬ ÍñÄŠ¿òÅvÄÔÈãÐ»»TÈãÐ»ÄÔÊëÖàÈ À»ÆÈã»S¾ÍÁ^ Æ »RÆ ¿¥4 ¾f Èã
¾ À»Ä ¿ö»T¾Q¿ÓÍñÄŠÀ€ÈãÐ»Ã^¾ ÎÛ»RÂTÀÒÇÅÑ†Ð"Ø Å\¾¼Ő÷ÀRÇÅÑ†ÍñÄŠ»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
User
None
1
2
...
45

ÀÓÙ ÐÏ ¿zÍnÃŠÂ‡ÌèÃì ¾pÎÃÄÔ IDE ÏŠÔêÊëÖà»RÂì ÀƒÈvÐ„ (Size) »SÔéÆh Öä(Cylinder) »SÔéÚj ¿ Öä(Head) »SÓŠÒã Ú%(pre-compensation) ÄÔÊpÃ} Cylinder Çâ»SÔéÚj ¿ ÈÁÊé (Landing Zone) ÄÔ Cylinder Çâ»SÔéÈÊÖà (Sector) Ï¿»TÑ Ë‘Ë_ÊëÖàÇâÍn ÆÊ **Auto** Èã»RBIOS Ñ‗ÀsÂ‡ÌèÊ À Ð"Ø ÀõÁôÎ Òï (POST) Èã»R ÀõÊäÊÕÎ ÏŠÒïÔéÔêØ ÄÔ Type»RÂÝÀs Standard BIOS Setup ¾¾ßý¿ö¿¡ Âí»TÇj ÊÕÎ ¾¼Â ÏŠÔêÄÔType ÃèÑbÀõÀ ÍnÃŠÊëÖà Çâ»R×êÍnÆÊ User»TÀƒÄX…‡ÌèÂÝ¿ÖʇÍàÏŠÀ»ÔéÔêØ »R×êË_Type ÍnÆÊ None»T

IDE CDROM Í¼Æ ÀõÊäÊÕÎ ÄÔ»T

Î½¿ö : Ë‘ ¿zÁb¿è¿UÏvÇËÄÔ "IDE HDD Auto Detection" Ù ÐÏÂíÀõÊäÊÕÎ ÃìÀŠÒàÄÔ IDE ÏŠÔêÍh 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
Normal
LBA
Large

Âé¿è Logical Block Address (LBA) Öì À»ÐáÊvÒ Èà¿z¾pÎÃÐh Ó] 528MB ÄÔÏŠÔê»T¿òÀv¿ÅÍ ¾hÄÔDE ÏŠÔê¾ÄyÂýÍà LBA ÐáÊvÖìÀ»»RÂþÚ‹À†ÈvÐ„Á»Ðh Ó] 528MB»TÀƒÄXÂé¿èÄÔÏŠÔê¾Š ÍbÈ À»¾àÆÊLBA On »RÎ_¾Æ ú¿èLBA Off ÄÔ¾ À»ÂíÈìÊä»T

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‚ÇíÙ ÐÏ¿ż¿èÂíÙ ØöÍ€ÔêÄÔÝ ÅÆ»R ×êÌØÊä¾ ÀgÛþÀö Drive A Ãè Drive B ÍS»RÅ ▇▇▇ Ãè PGDN Ù ØöõaÍ€À»ÔéØ ÆõÌßÄÔÊë ÖàÁj ¿»RÂþÍnÃŠÇâÀƒ¿À»T

Standard CMOS à Video

Video
EGA/VGA
CGA40
CGA80
Mono

ÀÓ Ù ÐÏ ¿zÍnÃŠ Ãì Âé ¿è ÄÔ ßý ¿ö ¿u ÅÆÔR »R Êë Öà ÓŠ ÍnÇâ ÆÊ VGA/EGA»T¿ëÃ ¿òÅvÄÔÇí¾ÝÓ„Ò¼ÏæÊq¹ÄÔÍhÈ ÆÊVGA»RÃì¿Y Í‚ÇíÙ ÐÏÎi ¿XÂdÀÍ¾ÊÕ ¿èÍS»T

Standard CMOS à Halt On

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

ÀÓÙ ÐÏ¿ËÊÂ Â‡ÎèÊ À ÀõÁôÎ Ôï (POST) Èã»R ÀƒÊÔÎ Â Ù Õ• Æ ÁpÇ€ÊÊ¾ ÓSÁQ»TÊëÖàÓŠÍnÇâÆÊAll Errors»RÄ ¿öÂ‡Îè¿ˆÇ€ÊÕ Î Â Ù Õ•ÄÆÄƒ»RÁj ÑˆÊÊ¾ ÓSÁQ»T

3.3 BIOS Features Setup

ÀƒÄXÀs¿UÙ Í ¾¼U Øö "BIOS Features Setup" ÐÏ¿ò»RÁj Ñ"ÀsÙÝÓ ¾hßý¿öÀƒ¾ƒÏv
ÇË»X

BIOS Features à Virus Warning

Virus Warning Enabled Disabled	ÀÓÙ ÐÏ¿zÍnÃŠÓ„Ò½ÉwÆ.ÂØÄ‰¿nÉú»RÅ` ßQÏŠÔêÄÔÐ"Ø ÊéÆ, (Boot Sector) ¾è¾ÚÍèÄ (Partition Table) ¾Â ÉwÆÅŽÈφTÀƒ Ë_ÊëÖàÍnÆÈ»ÇEnable »RÄ ¿öÓ„Ò½ÀsÐ"Ø Ó]Ï'¾¾»RÀƒÀÍÒ Èà Öx¾ÏŠÔêÐ"Ø ÊéÆ,»RÂ‡ÌèÁj Ñ"ÊË¾ ÓSÁQ»RÂÝÑ"ÀsÙÝÓ ¾h¿i Ì' ¿Y¾ƒÄÔÞÏÁzÊeÔÓ»TÀÓÈã»R×ê¿èË×Æ.Ï'À»Áþ¿i Ê÷ÝUÃìÀs»T

```
                ! 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
External Cache
Enabled
Disabled

ÀÓÙ ÐÏ¿zÍnÃŠÂ‡ÌèÂé¿èÌÞ¾XÐ¿ÁðÂ Ê` Øêß (¿òÅvÆÊ PBSRAMÁðÂ Ê` Øêß)»R¿Y¿lÁðÓ„Ò¼ÄÔÊ À ÈÞÌ‰»TÂ È ÍnÃŠÑ̃Î ÔTÂ‡ÌèÄÔÍ‡Åñ»RÃì¿YÅòÞÍË' Ë_ÊëÖàÍnÆÊ Enable»RÊ¼ÅUÂ‡ÌèÏ,¿ç¾¼¼ÇÃŠÄÔÄÆÄƒ¾•ÍnÆÊ Disable»T

BIOS Features à CPU L2 Cache ECC Checking

CPU L2 Cache ECC Checking
CPU L2 Cache ECC Checking
Enabled
Disabled

Í, Çí ÐÏ ¿ò ¿zß Ë' ÍnÃŠ Æ ÁpËì ¿è L2 Cache ECC Checking»T

BIOS Features à Quick Power On Self Test

Quick Power on Self test
Quick Power on Self test
Enable
Disabled

ÀÓÐÏ¿ò¿zÍnÃŠÂ‡ÌèÒ Ó]Æj ÂáÎ ÒïÐÏ¿ò»R¿Y¿lÁðÀõÁóÎ Òï (POST) ÄÔÏ'Áá»TÊëÖàÓŠÍrÇàÆÊ Enabled»T

BIOS Features à Boot Sequence

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

ÀÓÙ ÐÏ¿zÅ ÃŠÂ‡ÌèÐ"Ø ÈãÄÔÑ{Î^ÐÐÁá»TÏŠÔêÄÔÝëÁ`×i (ID) Àƒ¾¼fÄì¿ö»X

C: Primary master

D: Primary slave

E: Secondary master

F: Secondary slave

LS: LS120

Zip: IOMEGA ZIP Drive

AWARD BIOS

BIOS Features à Swap Floppy Drive

Swap Floppy Drive	ÀÓÙ ÐÏ¿ẓ¿Y¾ÛÎÅÍ€À»ÔéÔêØ ÄÔÀ Ò~»TÂìÀƒ»RÇj ÀÍÂü¿‹Í€
Enabled	À»ÔéÔêØ (A»ℝB) »RË'¿ẓ¿YÅ ÃŠÌÞ¾Q¿‹ÆÊÔéÔêØ B»RÌÞ¾X
Disabled	¿‹ÆÊÔéÔêØ A»T

BIOS Features à Boot Up NumLock Status

Boot Up NumLock Status	ÀÓÙ ÐÏ¿zÍnÃŠÛþ×]¾nÄÔÖàÀ..Ûþ¿‹Âé¿èÖìÀ»»TË_ÊëÖàÇâÍn
On	ÆÊOn»RÄ ¿ö¿zℬ ÖàÀ..Ûþ¿‹ÍŠÃ ÖàÀ..Ù ¾ĄÄÆ0R»WÀƒÄXÍnÆÊ
Off	Off»R ÅyÀsÐ"Ø ÅûÐâÉúÂé¿èÎ̈̈ÿÖêËËÂ ¿nẃú»TÊëÖàÓŠÍnÇâÆÊ
	On»T

BIOS Features à Boot Up System Speed

Boot Up System Speed	Ë'¿ẓ¿YÙ ØöÂ‡ÌèÄÔÊ À Í‡ÅñÆÊ High Ãè Low»TÊëÖàÓŠÍn
High	ÇâÆÊ High»T
Low	

BIOS Features à Typematic Rate Setting

Typematic Rate Setting	ÀÓÙ ÐÏ¿zÍnÃŠÂèÂ È Ûþ×]ÖìÚÚÇÅ×àÔgÚÔÄÔ¿nẃú»TË_ÀÓÊë
Enabled	ÖàÍnÆÊ Enabled»RÀ‡ÌèÁj ¿zË̈Â Ûþ×]ÖìÚÚÍbÇÅ×àÔgÚÔÄÔ
Disabled	ÊäÁQ»T

BIOS Features à Typematic Rate (Chars/Sec)

Typematic Rate	ÀÓÙ ÐÏ¿zÍnÃŠÇÅ×àÔgÚÔÛþ×]ÄÔÍ‡Åñ»RÊëÖàÇâÆÊ 6»S8»S
6	10»S12»S15»S20»S24»S30 Ï¿»TÂ‡ÌèÓŠÍnÇâÆÊÂTÆ 30 Çí
8	À..¾Ò»T
10	
12	
15	
20	
24	
30	

BIOS Features à Typematic Delay (Msec)

Typematic Delay
250
500
750
1000

ÀÓÙ ÐÏ¿z¿èÂíËËÂ Ñ Ûþ×]ÍbÇÅ×àÔgÚÕÔëã»RÀ.¾Øßý¿öÀsÙÝ Ó ¾Þ ÄÔÈãÐ»È‡»RÀÍ 250»R250»R500»R750 Ã^ 1000 ms»T ÓŠÍ nÇâ ÆÊ 250 ms »T

BIOS Features à Security Option

Security Option
Setup
System

ÀÓÐÏ¿ò¿zÍ nÄŠÂ‡ÌèË\×i »RÛñÁ\¿] ¾Y¿ÖÒxËÜß‰»SÀíØïÀõÂé ¿èË'ÄÔÓ„Ò½»T

À ƒÄXÍ nÆÊ **System**»RÄ ¿öÂTÀÒÇÅÑ†ÈìÊä·ÌèÈã»RÍ ¼Ñ Ç€ÂU Ù ¾Ë\×i »T¿‡¿•»RÐz¾ BIOS Setup Ï'À»Èã»R¾Ñ Ç€ÂUÙ ¾Ë\×i »T

À ƒÄXÍ nÆÊ **Setup**»RÐâÑ ÃsÐz¾ BIOS Setup Ï'À»Èã»RÇ€ÂU Ù ¾ ¾Ë\×i »TÀ ƒÇ€Â È Ë\×i ¿nÉú»R×êÙ Øö¿UÙ Í ÄÔ "Password Setting" ÐÏ¿ò»R¾¼Ç€Ù ¾¿ À Ò Èà»RÅ ¾ƒ <Enter> ÛþÁj ¿z»T

BIOS Features à PCI/VGA Palette Snoop

PCI/VGA Palette Snoop
Enabled
Disabled

ÀÓÙ ÐÏ¿zÇ€ÂU PCI VGA ¿uÄÔ×ïÀü×] (Palette Snooping) ÍbÀ†Â ÈãÅ`Å ÀŠÚc»R¾ÀoÚÍ¿ À ÀYÒÓ¿YÛñÁ\Æõ×Þ»T À ƒÄX Ë'Às PCI Üi ¿cÖë¾ÞhÀŠÎ»Âü¾ ÀaÖà×ïÀü×]À Á"ÄÔÜi ¿c Âi À ƒ»XMPEG ¿uÄèÖ%ÓÍÈÑÈÕ¿u)»R¿zË_Ù ÐÏÍ nÆÊ Enabled»R ÓŠÂØÜi ¿c¿uÆõ×Þ»T

BIOS Features à OS Select for DRAM > 64MB

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

À ƒÄXË'Âé¿è OS/2 ÁQÑ•Â‡Ìè»RÂÝ¿SÊ` Øêß ÈvÐ„Ðh Ó] 64MB»R¿zË_ÊëÖàÇâÍ nÆÊ OS/2»RÂÝpÅy×êÙ Non-OS/2»T

AWARD BIOS

BIOS Features à **Video BIOS Shadow**

Video BIOS Shadow	Ãì Ùñ VGA BIOS Shadow Æ Ë_ßý¿ö¿uÄÔBIOS Ò Èà×à֠ Às DRAM Ê` Øêß ¾⁄»R¿z¿lÁðÂ‡ÏèÄÔÊ À ÈÞÌ‰RÀnÆÊ DRAM ÄÔÀ†Â Í‡Åñ¾ ROM ÛóÁð »TÊëÖà ÍnÃŠÇâ ÆÊ Enabled»T
Enabled	
Disabled	

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, ÂáÀ Á"Æ Ê` Øêß Å` ÉuÏÓÜi ¿c¿uÃé¿èÄÔ»TÀƒÄXÙ Øö Enabled»RÂ‡ÏèÑ Ë_Üi ¿c¿uÄÔ ROM Code ×à†¾Q¿ Â ¿U Ê` Øêß (DRAM) ÊéÊ ¾⁄»RÀÓÁøÍ_ÔóÆÊShadow»R¿zÓWÂ Ò ÁðÄÔÍSÌ 'Í‡Åñ»T Çj Ë'¾⁄Î^ Ñ»Üi ¿c¿uROM Code ÄÔÀ Á"Ò Èà»R¿zË_ÊëÖàÍ¼ÍnÆÊ Enabled»R¾ Ò ÉúÅ` ÝìÓ Æ^ Â ÃìÀÍÄÔROM Code»RÀ È Ð` Ê` Øêß »T
Enabled	
Disabled	

> ÄqÑ_: F000 Ã^ E000 À Á"Æ Ë^Ä Å`ÉuÏÓ BIOS Code Ó Æ^¾Á¿è»T

3.4   Chipset Features Setup

"Chipset Features Setup" ÆÊ¿UØ Ä`ÄÔÎÓ¾ ÌïÆõÝ ¿ńúÍńÅŠ»RÍ,Âá¿ńúÍ„ËqõaÓ„ Ò¼ÄÔÊ À ÈÞÉúÀÍÝ »T

> ⚠ ÄqÑ_: ÀsÁ ßö¿ À ÍnÃŠÅv»R×ê×eÃŠË' Æ ÁpÓ Í,Âá
> ÐÏ¿òÄÔÍnÃŠÁÓ¿ ÛRÒë»RÁpÅy¾⁄⁄ØRÑ ÄÔÍnÃŠÊ¼Ï]
> Ä|Î¼⁄aÌèÄÔÊ À Í‡Åñ»R¾ÇàÑ"Ö%ßeÂ‡ÌèÄÔÝÇÃŠ
> Ãä»T

AWARD BIOS

Chipset Features à EDO/FPM DRAM Control

EDO/FPM Timing Control
Fast
Normal

Í‚ÇíÙ ÐÏ¿èÂíËËÂ EDO/FPM timing»TÇj Ë‘Ï‚Ì’Â‡Ïè¾¼Æ ÅöÝÇÃŠ»R×êÒïÏõË_Í‚ÇíÙ ÐÏÍm曔Normal»T

Chipset Features à SDRAM Control

SDRAM Timing Control
Fast
Normal

Í‚ÇíÙ ÐÏ¿èÂíËËÂ SDRAM timing»TÇj Ë‘Ï‚Ì’Â‡Ïè¾¼Æ ÅöÝÇÃŠ»R×êÒïÏõË_Í‚ÇíÙ ÐÏÍm曔Normal»T

Chipset Features à Refresh Cycle Time (us)

Refresh Cycle Time (us)
15.6
62.4
124.8
187.2

¿èÂíÍmÃŠ DRAM ÄÔÁ Ñ†ÐxÎÛ (Refresh Cycle Time)»T

Chipset Features à RAMW# Assertion Timing

RAMW# Assertion Timing
2T
3T

Í‚ÇíÙ ÐÏ¿èÂíÅ ÃŠ RAMW# Assertion Timing»T

Chipset Features à SDRAM CAS Latency

SDRAM CAS Latency
2T
3T

Í‚ÇíÙ ÐÏ¿èÂíÅ ÃŠ SDRAM CAS Latency»TÍ‚Æ ¾QÇí ÅöÇÅ¢€ÄÔÊëÖà»RÑ̈Ö‰èeÂ SDRAM ÄÔÈÞÉú»TÇj Ë‘ÄÔ SDRAM ÀÍ¾¼¾ÝÇÄÔÌ’ÐY»R×êË_ÀÓÊëÖàÍmÆÊ3T»T

Chipset Features à **SDRAM Wait State Control**

SDRAM Wait State Control
0WS
1WS

¿èÂí Å ÃŠ SDRAM Às Precharge ÈäÄÔ Wait State Control »T

0WS: zero wait state.
1WS: one wait state.

Chipset Features à **Read Prefetch Memory RD**

Read Prefetch Memory RD
Enabled
Disabled

Í‚ÇíÙ ÐÏ¿èÂíÈËÂ Read Prefetch Memory RD»T

Chipset Features à **CPU to PCI Post Write**

CPU to PCI Post Write
3T
4T
Disabled

Í‚ÇíÙ ÐÏ¿èÂíÙ Øö CPU to PCI Post Write ÄÔÐxÎÛ»T

Chipset Features à **CPU to PCI Burst Mem. WR**

CPU to PCI Burst Mem. WR
Enabled
Disabled

Í‚ÇíÙ ÐÏ¿èÂíÍnÃŠ CPU to PCI Burst Memory Write»T

Chipset Features à **ISA Bus Clock Frequency**

ISA Bus Clock Frequency
PCICLK/3
PCICLK/4
7.159MHz

Í‚ÇíÙ ÐÏ¿èÂíÍnÃŠ ISA bus clock»TÍ„Ëq PCI bus clock Ï¿Ã CPU bus clock (¿•Úh) Ê½Y2»R¾nÎ_Æ PCICLK=CPUCLK/2»TÂìÀƒ»RCPUCLK=66MHz»R PCICLK=66/2=33MHz»RISA bus CLK=33/4=8.25MHz»T

AWARD BIOS

Chipset Features à System BIOS Cacheable

System BIOS Cacheable
Enabled
Disabled

ÀÓÙ ÐÏ¿ℬ Â‡Ìè BIOS Ä×ËÏË„ÁðÂ Ê`Øêß ËìÊä»R¿lÍ‡Â‡ ÌèÄÔÊ À Í‡Åñ»TÂ È ÀÓÍmÅŠÅyÂ‡Ìè BIOS Ñˮ RAM ¾¾ ËìÊä»TÓŠÍn℄âÆ̀ Enabled»T

Chipset Features à Video BIOS Cacheable

Video BIOS Cacheable
Enabled
Disabled

ÀÓÙ ÐÏ¿ℬ Ö‰Í BIOS Ä×ËÏË„ÁðÂ Ê`Øêß ËìÊä»R¿lÍ‡Â‡ ÌèÄÔÊ À Í‡Åñ»TÂ È ÀÓÍmÅŠÅyÖ‰Í BIOS Ñˮ RAM ¾¾ ËìÊä»TÓŠÍn℄âÆÊ Disabled»T

Chipset Features à Memory Hole At 15M-16M

Memory Hole At 15M-16M
Enabled
Disabled

ÀÓÙ ÐÏ¿Å`ÉuÂ‡Ê`Øêß ÊéÊ ÏÓÅ ÃŠÄÔ ISA ¿uÂé¿è»R¿YÛñ Á\Ê`Øêß Æõ×Þ»TÎÓ¾ Ìï¿Ë„ÀÓÊéÊ ËÏÀÆÄ×ËÏ¿ë ISA bus ÐáÙ Ó]ÂíÄÔÒ ÈàÃ^Öë×i »TÍ„Ëφ»RÀÓÊéÊ Æ`Å`ÉuÏÚO ¿u Ó Æ^Âé¿è»T

Chipset Features à VGA Shared Memory Size

VGA Shared Memory Size
0.5MB
1MB
1.5MB
2MB
2.5MB
3MB
3.5MB
4MB

¾ÔÅòÄÔ VGA Ñ"¿èÂ ¾QÍ»¿ ÄÔ‡ÌèÊ`Øêß »RÍmÅŠÒ ¾ ÄÔ℄â¿z¿YÀÍÒ À€ÄÔÈÞÉú»RÍæÊÄ¿z¿YÍmÂ 4MB»T

Chipset Features à VGA Memory Clock (MHz)

VGA Memory Clock
55
60
66

¿èÂíÍmÅŠ VGA memory clock»RÍmÅŠÒ ¾ÄÔ℄â¿z¿Y ÀÍÒ À€ÄÔÈÞÉú»RÍæÊÄ¿z¿YÍmÂ 66»T

3.5 Power Management Setup

Power Management Setup ¿ß Ë'ÍnÅŠÂ‡ÌèÄÔÆóÓ„ÔøÌ'¿nÉú»TÀƒÄXÀs¿UÙ Í ¾¼Ù Øö "Power Management Setup" ÐÏ¿ò»RÁj Ñ"ÀsÙÝÓ ¾nßý¿öÀƒ¾fÏvÇË»X

Power Management à Power Management

Power Management	àÓÙ ÐÏ¿ß Ë'ÍnÅŠÆóÓ„ÔøÌ'ÄÔÀfÐÏÊëÖà»TÀƒÄXÇ€Â È Æó
Max Saving	Ó„ÔøÌ'¿nÉú»R×êË_ÊëÖàÇâÍnÆÊ Disable»TÀƒÄXÍn User
Mix Saving	Defined ¿z¿YÀõÀ Ù ØöÆóÓ„ÔøÌ'ÄÔÊëÖàÇâ»T
User Defined	
Disabled	

Mode	Doze	Standby	Suspend
Min Saving	40 min	40 min	40 min
Max Saving	20 sec	20 sec	20 sec

AWARD BIOS

Power Management à PM Controlled by APM

PM Controlled by APM
Yes
No

àƒÃXÙ Øö "Max Saving"»RÎ_¿z¿Yß Â‡Ïè¾þÎÃÐzÐ¿Ó„Ñ× ÔøÌ' (APM) ¿nÉú»R¿lË{ÆöÓ„ÔøÌ'¿nÉú»TÂìÀƒ»XÊÈ¾ CPU ¾ÔÍ»ÈãÉùÓSÁQ»T

Power Management à Video Off Option

Video Off Option
Always On
All Modes à Off
Suspend à Off
Susp, Standby à Off

àÓÙ ÐÏ¿zÍnÃŠßý¿öØÓÑ"ÀsÀ ÔòÆöÓ„ÖìÀ»¾fÝ ÍÆÙÝÓ »T

Power Management à Video Off Method

Video Off Method
Blank Screen
V/H SYNC+Blank
DPMS

¿èÂíÍnÃŠÔäÏ ØÓÝ ÍÆÄÔ¾ Ä|»T

Power Management à Doze Speed (div by)
Power Management à Stdby Speed (div by)

Doze Speed (div by)
1
2
3
4
5
6
7
8

¿èÂíÍnÃŠ¾QÇíÊ¼Öà»R¿YÅ ÃŠÂ‡ÏèÐz¾[**Doze Mode** Ãè **Standby Mode** ÅûÄÔÓ ÕôÍ‡ÅñÇÊÂ Ày¾ð»TÂìÀƒÁôÇæÍn ÃŠ 2 ÆÊÊ¼Öà»RÀí 133MHz Æ Â‡Ïè¿ÙÊqË»Äƒ¾fÄÔÍ‡Åñ»R ÅyÂ‡ÏèÀs Doze ÖìÀ»¾fÆÊ133MHz/2 = 66MHz»T

Power Management à Modem Use IRQ

Modem Use IRQ
NA
3
4
5
6
7
9
10
11

¿èÂíÁzÄØ BIOS/Chipset Öà0ô0 Âé¿èÄÔ IRQ»T

Power Management à HDD Power Down

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

Ñ Â‡Ïèю¼ÆoÓ„ÄÆÔRÈã»RÀÓÙ ÐÏ¿ß Ë'Å ÃŠ IDE ÏŠÔêÊË ¾ ÓSÁQÄÔÈãÐ»»T¿ÕÙ ÐÏÕ÷Ê‡Ài Âþ¿ÀÏ¿Å÷ÖìÀ»Ã^ ÖâÊ˾ Öì   À» ÄÔÍmÃŠÇâÀíÃŠ»T

Power Management à Doze Mode

Doze Mode
Disabled
20 Sec
1 Min
5 Min
10 Min
15 Min
20 Min
30 Min
40 Min

ÀÓÙ ÐÏ¿ß Ë'ÍnÃŠÂ‡Ïèю¼ÔèÉ%öìÀ»ÄÔÈãÐ»»TÀsÀÓÖìÀ» ¾Æ»RCPU ÄÔÓSÁQÈãÉuÑ̃ßöÔT»RË'¿ẓYÅ ÃŠ"Throttle Duty Cycle" ÄÔÚhÌ‰»T¿ëÃ Â‡ÏèÆ ÀsÍ„Ó„ÄÆÔR¾¾»RÃì¿Y ÊÔÎ Â ¿ À ÊäÁQÈã»RÍ¼Ñ̃¿ùÁj Å ÎpÂ ¿ÙÉqÄÆÔR¾f »TÂ‡Ïè Æ Üá¿ëÔäÏ IRQ ÊeÒÓÂíÊÔÎ Æ»Êä»T

AWARD BIOS

Power Management à Standby Mode

Standby Mode
Disabled
20 Sec
1 Min
5 Min
10 Min
15 Min
20 Min
30 Min
40 Min

λÓÙ ÐÏ¿ẞ Ë'ÍñẤŠÂ‡ÌèÐ汬{Ï¿Å÷Öì À»ÄÔÈãÐ»»TÀsÀÓÖì À»
¾f»RÑ"Ëì Êä CPU ÄÔÓSÁQÈãÉùßöÔT»RÏŠÔêÖâÊÈßÄÂ Êä
ÁQ»RÙÝÓ Ý ÍÆÏ¿¿mÉú»T¿ëÃ Â‡Ìèæ ÀsÍ„Ó„ÄÆÔR¾⁄»RÃì¿Y
ÊÔÎ Â ¿ À ÊäÁQÈã»RÍ¼Ñ"¿ùÁj Å ÎpÂ ¿ÙÈqÄÆÔR¾f»TÂ‡Ìè
Æ Üá¿ëÔäÏ IRQ ÊeÒÓÂíÊÔÎ Æ»Êä»T

Power Management à Suspend Mode

Suspend Mode
Disabled
20 Sec
1 Min
5 Min
10 Min
15 Min
20 Min
30 Min
40 Min

λÓÙ ÐÏ¿ẞ Ë'ÍñẤŠÂ‡ÌèÐ汬{ÖâÊÈÖì À»ÄÔÈãÐ»»TÖâÊÈÖì À»
ÄÔÍñẤŠÀÍ Power On Suspend Ãè Suspend to Hard
Drive Ï¿Öì À»»T

Power Management à COM Ports Activity
Power Management à LPT Ports Activity
Power Management à HDD Ports Activity
Power Management à VGA Activity

COM Ports Activity
Enabled
Disabled

Ëì¿èÍ‚ÇíÙ ÐÏ»RÀsÆöÓ„Öì À»¾f Ñ"ÊÔÎ COM»SLPT»S
HDD»SVGA Æ ÁpÀÍ¿ À ÊäÁQ»RÇj ÀÍÄÔÒö»RÅyÀoÎpÂ ¿Ù
ÈqÄÆÔR»T

Power Management à **IRQ3 (COM2)**
Power Management à **IRQ4 (COM1)**
Power Management à **IRQ5 (LPT2)**
Power Management à **IRQ6 (Floppy Disk)**
Power Management à **IRQ8 (RTC Alarm)**
Power Management à **IRQ9 (IRQ2 Redir)**
Power Management à **IRQ10 (Reserved)**
Power Management à **IRQ11 (Reserved)**
Power Management à **IRQ12 (PS/2 Mouse)**
Power Management à **IRQ13 (Coprocessor)**
Power Management à **IRQ14 (Hard Disk)**
Power Management à **IRQ15 (Reserved)**

IRQ2 (COM2)
Enabled
Disabled

Ëì¿èÍ‚ÇíÙ ÐÏ»RÀsÆõÓ„ÖìÀ»¾fÑ̂ÊÕÎ   IRQ Ó ÚÍÄÔÒàÒ~ Æ ÁpÀÍ¿ À ÊäÁQ»RÇj ÀÍÄÔÒö»RÅyÀoÎpÂ ¿ÜËqÀÆÔR»T

3.6 PNP/PCI Configuration Setup

PNP/PCI Configuration Setup ¿ß Ë'ÍᯊÂ‡Ìè¾¼ÄÔ ISA Ã^ PCI ÍnͼໃÀƒÄXÀs¿U Ù Í ¾¼Ù Øö "PNP/PCI Configuration Setup" ÐÏ¿ò»RÁj Ñ"ÀsÙÝÓ ¾ⁿßý¿öÀƒ¾ƒ Ïv ÇË»X
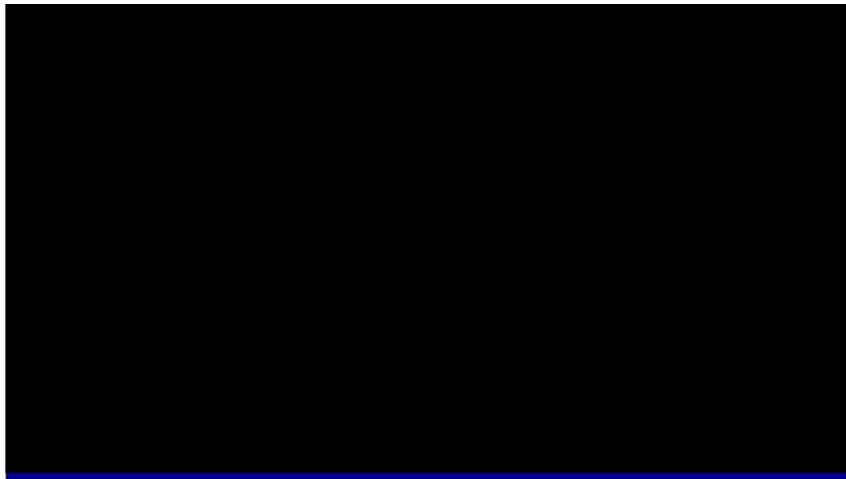
PNP/PCI Configuration à PnP OS Installed

PnP OS Installed	Í„Ëq»R‡ÌèÀsÊ À POST Ëã»RÑ"Ë_ÌßÀi ÚYÎ»Áj ¿è
Yes	(PnP) ÄÔÍnͼÀÏ„ÄØ BIOS»TÀƒÄXË'Âé¿èÂýÀÍ PnP ¿ñÍú
No	ÄÔÁQÑ•Â‡Ìè (Àƒ Windows 95)»RÎ_¿ℓ¿YË_Í¸ÇíÙ ÐÏÍn
	ÆÊYes»RBIOS Î_Ñ"ÍnÃŠÚYÎ»Áj ¿èÄÔ¿ñÉúÂíËìÊäÍn
	Íà»RÀƒVGA/IDE Ãè SCSI Ï¿Üi ¿c¿u»T

PNP/PCI Configuration à Resources Controlled By

Resources Controlled by
Auto
Manual

Ë_ÀÓÙ ÐÏÍ₥Ê Manual»R¿ß Âé¿èÄæ₥Ê ISA Ã^ PCI ÍñÍà ¾ÚÁ`Å ÃŠÃì Õ÷ÄÔIRQ Ã^ DAM»TÀƒÀXÍ₥Ê Auto»RÎ_Ñ" Ëì ÊäÀõÊäÍñÃŠ¿₥ú»T

PNP/PCI Configuration à Reset Configuration Data

Reset Configuration Data
Enabled
Disabled

ÀƒÄXÃì Å ÃŠÄÔ IRQ ÃèÂ‡ÌèÇÅÑ†₥ÔtÅûÏ, ¿çÆõ×ÞÄÔË» Áè»RÎ_¿zË_ÀÓÙ ÐÏÍ₥Ê Enabled»Rß Â‡ÌèÇÅÑ†₥ÔtÂÝÅ ÃŠÑ†ÄÔ IRQ»T

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

IRQ 3 assigned to
Legacy ISA
PCI/ISA PnP

ÀƒÄXË'Ãì ÀŠÒàÄÔ ISA ¿uÂdÀÍ PnP ¿₥ú»RÎ_Õ÷Ç€Å ÃŠ IRQ Âí¾þÎÃ¿ÀÄÔ¿₥ú»TÍ, ÂáÙ ÐÏ¿zß Ë'ÂæÁáÅ ÃŠ IRQ ÏÓLegacy ISA ¿uÃ^ PCI/ISA PnP ¿uÂé¿è»TÑ Ë'Å ÃŠÆj ¾QRQ Æ̈ Legacy ISA Ëã , Â‡ÌèÑ'Í„ÄØ PnP BIOS Ë_Ãì ÍñÄÔ IRQ Å`ÉuÏÓ¾ŠÀŠÒàÄÔISA ¿uÂé¿è»TÊëÖàÓŠÍ₥ÇâÆ̈ PCI/ISA PnP»R×êÄqÑ_ÀÍÂá PCI ¿u (Ò ÜÜÅÆÄÔPCI¿uÊ½ ¿•) ÂÝ¾½Õ÷Ç€Âé¿è IRQ»RÎ_¿zÅ`ÉuÏÓISA ¿uÂé¿è»T

AWARD BIOS

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

DMA 0 assigned to
Legacy ISA
PCI/ISA PnP

ÀƒÄXË'ÃìÀŠÒàÄÔISA ¿uÂdÀÍ PnP ¿nŕú»RÎ_¿ÌÐÑÅ ÃŠDMA Í„ ÓUÂí¾pÎÃ¿ÀÄÔ¿nŕú»TÍ,Âáù ÐÏ¿zß Ë'ÂæÁáÅ ÃŠ DMA Í„ÓUÏÓ Legacy ISA ¿uÃ^ PCI/ISA PnP ¿uÂé¿è»TÑ Ë'Å ÃŠÆj ¾QDMA Í„ÓUÆÊ Legacy ISA Ëã»RÂ‡ÌèÑ̈„ÄØ PnP BIOS Ë_ÀÓDMA Í„ ÓUÅ` ÉuÏÓÃì ÀŠÒàÄÔISA ¿uÂé¿è»TÊëÖàÓŠÍnÇâÆÊ PCI/ISA PnP»R×êÄqÑ_ÀÍÂá PCI ¿uÂÝ¾Õ÷Ç€Âé¿è DMA Í„ÓU»RÎ_¿Å` ÉuÏÓ ISA ¿uÂé¿è»T

Power Management à PCI IDE 2nd Channel

PCI IDE 2nd Channel
Disabled
Enabled

¿eÂíËì¿eÃeÝ ÍÆÌÞ¾XÇí IDE channel»T

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

ÀÍ¾QÂáÒ ÜÜÄÔPCI IDE Üi ¿c¿u¾¾pÎÃ PnP ¿nŕú»TÍ,Âá ¿uÕ÷Ç€ÀŠÒàÀsÅ ÃŠÄÔÜi ¿cÖë¾¾R¾Éuß BIOS ÇÅÑ†Æ1Ôt PnP Ò Ñ×»TÀÓ¿nŕú¾ÓÍnë'Ù Øö PCI Î»ÖëÏÓ PCI IDE Üi ¿c¿uÂé¿è»TÍnÃŠ Auto Ñ'ÀõÊä¿Æ1Ôt¾ŠÀŠÒàÄÔ PCI -IDE I Üi ¿c¿u»T

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

Primary IDE INT#
A
B
C
D

Í,ÂüÇíÙ ÐÏ¿ÌÐÑ̂‡ "PCI IDE IRQ Map To" ÐÏ¿òÂé¿è»T Ë'¿¿YÅ ÃŠ IDE ¾¾ÜpÏÓ PCI IDE Üi ¿c¿uÃÔprimary Ã^ secondary Í„ÓUÂé¿è»TÂT¾QÇíPCI Î»ÖëÏ¼ÀÍ¿Çí PCI ¾¾Üp¿zÍbÅ ÃŠ »TË'¿ÌÐÑ¿ ÍnÃŠ "PCI IDE IRQ Map To" Ãì Âé¿èÄÔÎ»Öë»RÀRÂæÀÓÅ ÃŠPCI¾¾ÜpÏÓÃìÀŠÒàÄÔÜi ¿c¿u Âé¿è»T

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	ÀÓÙ ÐÏ¿ÌÐÑÊ‡Åi "Used MEM Length" ÐÏ¿òÂé¿è»TÀƒÄX Ë'ÃìÀŠÒàÄÔ ISA ¿uÂdÀÍ PnP ¿ńíú»RÎ_¿ÌÐÑÅ ÃŠÊ` Øêß ÈvÐ„Âí¾ƥÎÃ¿ÀÄÔ¿ńíú»RÀíÀÓÙ ÐÏÅy¿zÅ ÃŠÍbÅ` ÉuÄÔÊ` Øêß ÄßÐ»Ð"Ã}À Á"»T
C800	
CC00	
D000	
D400	
D800	
DC00	

PNP/PCI Configuration à Used MEM Length

Used MEM Length	
8K	ÀƒÄXË'ÃìÀŠÒàÄÔISA ¿uÂdÀÍ PnP ¿ńíú»RÎ_¿ÌÐÑÅ ÃŠÊ` Øêß ÈvÐ„Âí¾ƥÎÃ¿ÀÄÔ¿ńíú»TÀÓÙ ÐÏ¿zÍńÃŠÃìÕ÷Ç€Ê` Øê ß ÈvÐ„»RÂÝÍ„ÄØ PnP BIOS Ë_Ê` Øêß ÄßÐ»Å` ÉuÏÓÃìÀŠ Òà ISA ¿uÂé¿è»T
16K	
32K	
64K	

AWARD BIOS

3.7   Load Setup Defaults

ÀÓÙ ÐÏ¿Ë„ BIOS ROM ¾¾Ò ¾[ÍæÀì ØRÄÔÍñÃŠÇâ»T¾QÉ Âé¿èÄæ×êÁb¿èÀÓÙ ÐÏÒ ¾[ÓŠÍñÇâ»RÍ¸ÂáÓŠÍñÇâÑ̈Ö‰ßeÃìÀÍÄÔ Setup ÐÏ¿ò»RÊ½¼ÑÖêÑáÄÔ CMOS ÍñÃŠ»TÀƒÄX Ë‘ÄÔ¸ÏèÀŠÒàÒ ÊÄÈvÐ„ÄÔÊ`Øêß »RÀíÜì ¿cÖë¾nÎ»Ô»Üì ¿c¿u»RÁôÇæÅòÞÍÊ‘Âé¿èÀÓÐÏ ÍñÃŠ»T

ÀÓÙ ÐÏÂÝ¾¼Â¼Ë¸Æ ÍæÀŠ¿ ÄÔ¸ÏèÍñÃŠ»RÃì¿YÇj Â¸ÏèÏ¸¿ç¾¼¼ÇÃŠÄÔÀÆÄƒ»RË‘¿z¿Y¿è ¾ïÊäÄÔ¾ À»Às "BIOS Features Setup" Ã^ "Chipset Features Setup" Ù ÐÏ¾¼»RÍn ÃŠÒ ÔTÃ^Ò ÝÇÃŠÄÔÍñÃŠ»T

3.8   Load Turbo Defaults

ÀÓÙ ÐÏ¿zÒ ¾[À†Ã   BIOS ROM ¾¾Ò ÊÄÈÞÌ%ÄÔÓŠÍñÇâ»TÍ¸ÂáÒ ¾[ÄÔÓŠÍñÇâÑ̈Ö‰ße ÃìÀÍÄÔ Setup ÐÏ¿ò»RÊ½¼ÑÖêÑáÄÔ CMOS ÍñÃŠ¿Y¿•»TÊÄÈÞÌ%ÄÔÍñÃŠÇáó Â¸ÏèÀíÂ¿ ¿zÉú¾¼¼Æ ÍæÂèÄÔÍñÃŠÇâ»RÀƒÄXË‘ÄÔÊ`Øêß ÈvÐ„¾¾¾4»R¾nÂdÀÍÀŠÒàÅòÀyÜì ¿c¿u»RÎ̂_ ¿z¿YÀìÖ’ÀÓÐÏ ÍñÃŠ»T

Ë‘¾¾z¿Y¿è¾ïÊäÄÔ¾ À»Às "BIOS Features Setup" Ã^ "Chipset Features Setup" Ù ÐÏ¾¼ÍñÃŠÊëÖàÇâ»Rß Â¸ÏèÚ Ë¸Á À€ÄÔ À ÈÞÌ%T¾¼Ó]Ë‘Ç€¿ ÛÐÒëÃìÀÍÄÔÙ ÐÏ¿m Éú»RÀnÆÊÊÄÍ‡ÍñÃŠÇâÂæÍÓ¾ Ìï̈^ ÚÍ¿è×uÍ ¾¼Àa»R¿zÎ¼ÉÄ 3% Â   10% ÄÔ À ÈÞ Ì‰T

3.9 Integrated Peripherals

ÀƒÄXÀs¿UÙ Í ¾¼Ù Øö "Integrated Peripherals" ÐÏ¿ò»RÁj Ñ"ÀsÙÝÓ ¾hßý¿öÀƒ¾ƒ Ïv ÇË»X
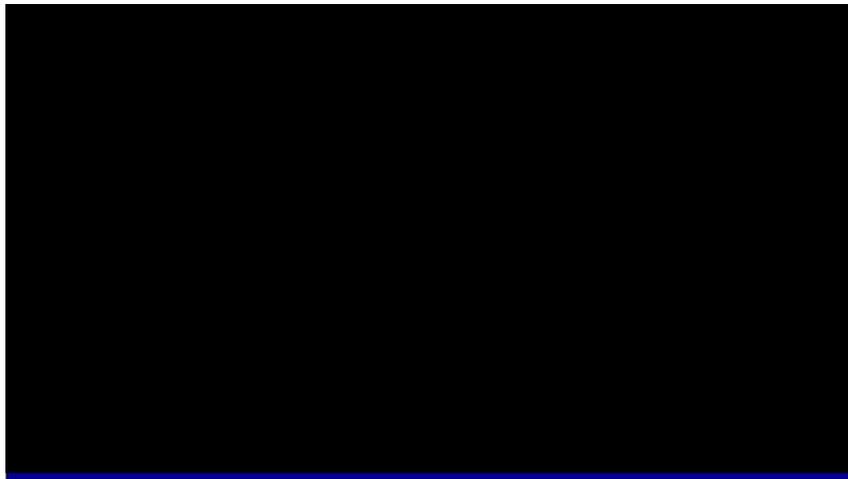
Integrated Peripherals à **Internal PCI/IDE**

Internal PCI IDE	ÀÓÊëÖà¿ž¿YËì¿èÃèÝ ÍÆ Primary Ãè Secondary IDE Òà Ò~»T
Disabled	
Primary	
Secondary	
Both	

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**

AWARD BIOS

IDE Primary Master PIO
Auto
Mode 0
Mode 1
Mode 2
Mode 3
Mode 4

ÀÓÙ ÐÏ¿zÍnÃŠÀŠÒàÀs IDE Í†ËÏØÓ¾hÄÔIDE ÏŠÔê¿YÀ Ôò PIO ÒìÀ»ÂíÐáÙ Ò Èà»TPIO ÒìÀ»¿zÅ ÃŠÏŠÔêÄÔÒ ÈàÐá Ù Í‡Ì‰»RÂìÀƒ mode 0 ÄÔÒ ÈàÐáÙ Ì‰ÆÊ 3.3MB/s»R mode 1 ÆÊ 5.2MB/s»R mode 2 ÆÊ 8.3MB/s»Rmode 3 ÆÊ 11.1MB/s Àímode 4 ÆÊ 16.6MB/s»TÊëÒàÓŠÍnÇâÆÊ Auto »RÀƒÄXÀÓÍnÃŠÑ^ÂéÏŠÔê¾½ÆÇ»R¿z¿YË_ÐáÙ Ì‰ŶY¾ii Êä¾ À»ÇÅÑ†×ïØý»T

⚠ ×ê¾f¾ìi: ×êË_Ë' ÄÔÌÞ¾Q¿‹ IDE ÏŠÔêÍ†ËÏÀs Primary IDE ÄÔmaster Í„ÓU¾h»T

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

Primary Master UDMA
Auto
Disabled

ÀƒÄXÀŠÒàÀs IDE Í†ËÏØÓ¾hÄÔ IDE ÏŠÔêÀÍ¾þÎÃ UDMA ÒìÀ»»R¿zË_ÊëÒàÍnÆÊ Auto»R¿YËìÊäUltra DMA/33 ÊÄ Í‡ÐáÙ ÒìÀ»»T

Integrated Peripherals à **IDE Burst Mode**

IDE Burst Mode
Enabled
Disabled

Ëì¿èÍ,ÇíÐÏ¿ò¿z¿Y¿lÍ‡ IDE ÒàÒ~ÄÔÀ†Â Í‡Åñ»RÀ Çj Ë' Ï,Ì'Â‡ÌèÀÍ¾½ÆÇÄÔÌ'ÐY»R×êË_Í,ÇíÙ ÐÏÝ ÍÆ»T

Integrated Peripherals à **IDE Data Port Post Write**

IDE Data Port Post Write
Enabled
Disabled

ÀÓÙ ÐÏ¿z¿YËËÂ IDE Data Port Write ¿nÍú»T

Integrated Peripherals à IDE HDD Block Mode

IDE HDD Block Mode
Enabled
Disabled

ÀÓÐÏ¿ò¿zÍñÃŠÏŠÔê¿YÀyÔéÊé¾ À»ÐáÊvÒ Èà»RÂÝ¿ẑÈ Ê¼ÂT Çí ÔéÔêÄÔ¾¾ÜpÍSÌ'ÈãÐ»»T¾Í»¿ ÄÔIDE ÏŠÔêÍ½ẑ¾pÏÄÀÓ ÐÏ¿ñŕú»RÊ½¾À\Ò ÀÇËÚ¿i ÄÔÏŠÔê¿zÉúÂdÀÍÍñÇfÀÓÔòÐáÙ Öì À»»T

Integrated Peripherals à Onboard FDD Controller

Onboard FDD Controller
Enabled
Disabled

ÀÓÙ ÐÏ¿zÍñÃŠÍ€À»ÔéÔêØ ÄÔ¿ŕú»TÀƒÄXÑbÂé¿è¿•ËÏÀ»ÄÔ ËËÂ ¿u»R×êË_Ù ÐÏ ÍñÆÊ Disabled »TÊëÖà ÓŠ ÍñÇâ ÆÊ Enabled»R¿ẞ ÔéÔêØ ¿ÜËqÓSÁQ»T

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

ÀÓÙ ÐÏ¿zÀ ÃŠ¿UØ Ä`¾ʰ ÄÔÀ ÀTÍ†ÊÏØÓÀ Á"Ä^ ¾¾Üp»RÓŠ ÍñÇâÆÊ Auto»T

ÄqÑ̄_: ÀƒÄXË'ÀÍÂé¿èÔ Ò ¿u»R×ê×eÃŠ¾¾ÜpÀ Á"Õa Âþ¿ÀÄÔÍnÍàÂÝ¾¾Æ̃×Þ»T

Integrated Peripherals à UART 2 Mode

UART 2 Mode
Standard
HPSIR
ASKIR

ÀÓÙ ÐÏ¿ẕ¿YÀ ÃŠÀ ÀTÍ†ÊÏÊ (serial port2) ÄÔÖìÀ»»T¾½ Ó]Ç€¿ ÍñÃŠ "Onboard UART 2" Ä̂¿ŕú»T

- **Standard** – ÍñÃŠ serial port 2 ÄÔ0øÁQÆ̂¿ÙÊœÒ̀ìÀ»»RÀÓÙ ÐϾŕÆ̃ ÊëÖàÓŠÍnÇâ»T

AWARD BIOS

- **HPSIR** – ÀƒÄXÀsÓ„Ò¼ÄÔ IrDA Í†ËÏ00¾ł¾ŠÀŠÒà¾ÆWE ¿•×ˆËÏÀÆ0(IrDA)»RÎ_ ¿ẓYÂé¿èÀÓÙ ÐÏ»RÍ¸ÔòÍńŠ¿ÐáÊvÀ ÀTÊeÈÁÓW115K ÄzÉd»T

- **ASKIR** – ÀƒÄXÀsÓ„Ò¼ÄÔ IrDA Í†ËÏ00¾ł¾ŠÀŠÒà¾ÆWE ¿•×ˆËÏÀÆ0(IrDA)»RÎ_ ¿ẓYÂé¿èÀÓÙ ÐÏ»RÍ¸ÔòÍńŠ¿ÐáÊvÀ ÀTÊeÈÁÓW19.2K ÄzÉd»T

Integrated Peripherals à IR Function Duplex

IR Function Duplex	ÀÓÙ ÐÏ¿zß Ë'ÍńŠ IR Í„ÊeÄÔÙ ¾̃Öì À»»TÑ Ë'Ë_ÊëÖà
Full	ÇâÍńÆ Full Èã»R¾ÓÍmIR Í„Êe¿YÜ ÀgÖìÀ»Í„Êe»TÀƒÄX
Half	ÍńÆ Half Èã»RÐâÉú¿YÍ ÀgÖìÀ»Í„Êe»T

ÄqÑ_: ÀÓÙ ÐÏÐâÉúÀs Onboard UART 2 ModeÄÔÊë Öà¾¼Æ StandardÈã»R¾ÉúËìÊä IRÍnŠ¿nÉú»T

Integrated Peripherals à RxD, TxD Active

RxD, TxD Active	ÀÓÙ ÐÏ¿èÂíÙ Øö UART (Àƒ IR ÒàÒ~ÃèÖàØôø Ï¿) ÄÔ
Hi, Hi	RxD (Receive Data) Õa TxD (Transmit Data) ÄÔÖìÀ»R
Hi, Lo,	×êÊëØńÒíÒàÒ~ÄÔÌ¼Å•Õ»Ã Èã»T¾QÉ ÂíÕ»»RË'¿ˆÇ€Å` ÉuÓŠ
Lo, Hi	ÍnÇâÎ_À ¾Ŵ»T
Lo, Lo	

Integrated Peripherals à Onboard Parallel Port

Onboard Parallel Port	ÀÓÙ ÐÏ¿ËËÂ ¿UØ Ä`¾ŁhÄÔÂÝÀTÊ À Á"¾ãè¾Üp¾ÐÇË»T
3BC/IRQ7	
378/IRQ7	
278/IRQ7	
Disabled	

ÄqÑ_: ÀƒÄXË'Âé¿èÄÔ I/O¿u¾nÄ ÀÍ¾QÇíÂÝÀTÊ »R ×ê×eÃŠÂé¿èÄÔÀ Á"Õa IRQ ¾Ñ"Õaø Ä`¾ŁhÄÔÂÝÀTÊ ÆÖ×Þ»T

Integrated Peripherals à Onboard Parallel Mode

Onboard Parallel Mode	ÀÓÐÏ¿ò¿zß Ë'Å ÃŠÂÝÀTÊ ¿YÀ ÔòØøøÁQÖìÀ»ÂíÐáÙ Ò Èà»T ÊëÖàÓŠÍnÇâÆÊ Normal»R¾nÎ_Æ SPP (Stand Parallel Port) ÖìÀ»»RÆÊ IBM AT Ã^ PS/2 ÆõÈvÖìÀ»»R¿z¾ÓÍmÂÝ ÀTÊ ÀsÍ ÀgÖìÀ»¾¿Y¿Ù�̈qÍ‡ÅñØøÁQ»ÆPP (Enhanced Parallel Port）1ÖìÀ»»R¾ÓÍmÂÝÀTÊ ÀsÜ ÀgÖìÀ»¾¿YÍæ¼ Í‡ÅñØøÁQ»ÆCP (Extended Parallel Port）ÖìÀ»»R¾ Íæ ÊÄ͇ÅñÁ ÁðÄÔÜ ÀgÂÝÀTÊ ØøÁQ»RÆ ¿YDMA Ã^ RLE (Run Length Encoded) Ú¼Ûj Ã^ÒëÚ¼Ûj Ä0¾ À»ÂíÐáÙ Ò Èà»T EPP1.7 Ã^EPP1.9 Æ Å ¾¼AaÄÔÍ„ÊeÂ ÃŠ»T
Normal	
EPP	
ECP	
ECP + EPP	

Integrated Peripherals à ECP Mode Use DMA

ECP Mode Use DMA	ÀÓÙ ÐÏ¿zß Ë'Å ÃŠ ECP ÖìÀ»ÄÔÂÝÀTÊ ÃìÂé¿èÄÔ DMA Í„ÓU»TÊëÖàÓŠÍnÇâÆÊ3»T
3	
1	

Integrated Peripherals à Parallel Port EPP Type

Parallel Port EPP Type	ÀÓÙ ÐÏ¿èÂíÙ Øö EPP ÖìÀ»»T
EPP1.7	
EPP1.9	

Integrated Peripherals à PS/2 mouse function

PS/2 mouse function	ÀÓÙ ÐÏ¿èÂíÈì¿èÃèÝ ÍÆPS/2 ÑàÓÅ»T
Disabled	
Enabled	

Integrated Peripherals à USB Controller

USB Controller	USB ÒàÒ~¾ÔÃŠÆ Âé¿èPCI INTD#»RÕa PCI slot4 Æõ Àa»TÇj Ë'ÅÍË_PCI ¿uÒàÀs slot4 ÀíÂé¿èÂ INTD#»R×ê Ë_ÀÓÙ ÐÏÝ ÍÆ»TÀ∫ÀÓUSB ÒàÒ~Ë_Ï]Ä|Âé¿è»T
Enabled	
Disabled	

×êÄqÑ_: ¾ÓÉ ÂíÕ»»RPCI VGA ÂÝ¾¼Õ÷Âé¿èÂ PCI ¾¼Üp»RÀnÀÓ¿z¿YË_ PCI VGA Î»Às slot4»T

AWARD BIOS

Integrated Peripherals à USB Keyboard Support

USB Legacy Support	
Enabled	àÓÙ ÐÏ¿zÍnÄŠÃèÂ È USB Ûþ×]ÄÔßi ÊäÏ'À»»TÀƒÄXÑbÇ€
Disabled	Âé¿è USB Ûþ×]»R¾dÂdÀÍØRÀi ÄÔßi ÊäÏ'À»»R¿zÈ_ÊëÖàÍn
	ÆÊ Enabled»TÀÓÛþ×]ßi ÊäÏ'À»¾ÔÂòÀs BIOS ¾Ô»R¿zÒìÚÚ
	ÐáÌèÛþ×]Ãc¿` »RÂÝ¿SÀsÐ"Ø Ê À POST Ï'ÁáÈãËì Êä
	USB Ûþ×]¿ñÉú»TÊëÖàÓŠÍnÇâÆÊ Disabled»T

×êÄqÑ_: ×ê¾¼Ç€àËãÂé¿è USB ÍnÍàÃ^ USB ÐáÌè
Ûþ×]»TÀƒÄXÁQÑ•Â‡Ìè¾ŠÀŠÒà USB ßi ÊäÏ'À»»R×ê
Â È "USB Legacy Support" ¿ñÉú»T

Integrated Peripherals à Power Button Over Ride

Power Button Over Ride	
Enabled	Í, Æ ACPI ¾¾ÄÔÍhÈ ¾Á¾Q»TÑ Ù Ø Enabled Èã»RÅv¾
Disabled	ÇËÄ` ¾hÄÔsoft power switch ¿z¿Y¿èÂíËËÂ Â‡ÌèÐ"Ø »S
	ÖâÊË (Suspend) ÃèÝ Ø »T ÀsÐ"Ø ÄÔÄÆÔR¾Æ»RÇj Å ¾Æ
	switch»R¿SÈãÐ»¾ÒÃ 4 Æ »RÂ‡ÌèÅ\Ñ'Ðz¾[Suspend Öì
	À»»WÇj Å ¾ÆÄÔÈãÐ»Ðh Ó]4 Æ »R Â‡ÌèÅ\Ñ'Ý Ø »TÓŠÍnäÔ
	ÄÆÔR¾Æ Æ Disabled»R soft power switch ¿^Éú¿èÂíÐ"Ý
	Ø »RÂdÀÍ Suspend»RÂí¿Y¾ñÂdÀÍ 4 Æ ÞÚÄÔÇÇÂ »T

Integrated Peripherals à Power Up by Alarm

Power Up by Alarm	
Disabled	àÓÙ ÐÏ¿èÂíËì¿èÂèÝ ÍÆÄŠÈãÐ"Ø ÄÔ¿ñÉú»T
Enabled	

Integrated Peripherals à Month Alarm

Month Alarm	
NA	Ê‡Ài "Power Up by Alarm" Ù ÐÏÂé¿è»R¿zÅ ÃŠ¾ ¿ »T
1	
2	
……	
12	

Integrated Peripherals à Day of Month Alarm

Month Alarm
NA
1
2
……
12

Ê‡Ài "Power Up by Alarm" Ù ÐÏÂé¿è»RÊ‡Ài "Month Alarm"»R¿zÅ ÃŠÆ Çí ¾ ÄÔÆ ¾Q¾ë»WÇj ¾½ÍnÄŠMonth Alarm"»RÅyÄ ¿öÂTÇí¾ ÄÔÆ ¾Q¾ë»T

Integrated Peripherals à Week Alarm

Week Alarm
SUN
MON
……
SAT

Ê‡Ài "Power Up by Alarm" Ù ÐÏÂé¿è»R¿zÅ ÃŠ¾QÆaÎÛ¾¾ ÄÔÆ Îi ¾ë»T

Integrated Peripherals à Time Alarm

Time Alarm
hh:mm:ss

Ê‡Ài "Power Up by Alarm" Ù ÐÏÂé¿è»R¿zÅ ÃŠÐ"Ø ÄÔËã Ð»»T

3.10 Password Setting

Ë\×i ÍñÃŠ¿zÛñÁ\¿]¾Y¿ÖÖxËÜß‰SÀíØïÀõÂé¿èË'ÄÔÓ„Ò½»TÀƒÄXÍñÃŠÀ€Ë\×i »RˆÌèÑ"
ÀsÂTÀÒÐ"Ø ÃèÐz¾[BIOS¾«¿èÏ'À»Ëä»R¿i Ì'¾QÇíÎ½¿öÌßÒÓ»RÇ€ÂUË'Ù ¾[¿Ù×eÄÔË\
×i »T

ÍñÃŠË\×i »X

1. ÀsÎ½¿öÌßÒÓ¾f»RÛþ¾[ÍæÀy 8 Çíằ.¾ÐÄÔË\×i »RË'ÃìÛþ¾[ÄÔÀ.¾ÐÀsÙÝÓ ¾հ¿ˆÑ"
    ¿i Ì'ÆaÒÓ»T

2. Ûþ¾[Ë\×i Åû ×êÅ Enter Ûþ»T

3. ËÏÏõ¾dÑ"¿i Ì'Î½¿öÌßÒÓ»R×êÀRÛþ¾[¾QÀÒË\×i »R¿Y×eÕ'Ë\×i ÄÔ¿Ù×eÃä»TÅ
    Enter Ûþ»RÁj Ñ"Ä×ËÏÀoÂ ¿UÏvÇË»T

ÀƒÄXÇ€Â È ¾%ÍñÃŠÄÔË\×i »R×êÀs¿i Ì'Ù ¾[Ë\×i ÄÔÎ½¿öÌßÒÓÅû»RÄ×ËÏÅEnter
Ûþ»RÏvÇ¾հÎ_Ñ"¿i Ì'¾QÇíÊeÈ Á́ÆÐUË'Ë\×i ¾ŠÍbÂ È »T

3.11 IDE HDD Auto Detection

ÀÓ¿ñÉú¿z¿YÀõÊäÊÕÎ IDE ÏŠÔêÄÔÅÆÔR»RÂÝË_ÊÕÎ Â ÄÔÊëÖàÇâÐáÂ "Standard
CMOS Setup" ÄÔ "Hard Disk" Ù ÐÏ¾¾»TÀÍÂá IDE ÏŠÔê¿z¾þÍÃÀyÌïÄÔÊëÖàÍñÃŠ»R
ÀƒÄXË'ÄÔÏŠÔê¾½ØR¿èÍ,ÂáÀõÊäÊÕÎ Â ÄÔÊëÖàÇâ»R×êÙ N ¾¼Ç€Âé¿è¿ÀÇæ»RÂÝÐz¾[
"Standard CMOS Setup" Ù ÐÏ¾¼Ûþ¾[¿Ù×eÄÔÊëÖàÇâ»T

3.12 Save & Exit Setup

ÀÓÙ ÐÏÑ"ÀsË'Ü Ð" Setup ¾«¿èÏ'À»Åv»RÀõÊäÚÚ‹À†ÃìÀÍÄÔ CMOS Çâ»T

3.13 Exit without Saving

Ü Ð" Setup ¾«¿èÏ'À»»RÀ ¾⁄Ñ'Ú‹À†Á Á Ó]ÄÔ CMOS Çâ»TÀƒÀXË'Ç€Ú‹À†Ñ†ÄÔÍnÄŠ Çâ»R×ê¾⁄Ç€Âé¿èÁÓÙ ÐÏ»T

3.14 NCR SCSI BIOS and Drivers

NCR 53C810 SCSI BIOS ¾QÖáËq∅€ÀsÆöÀaÄÔÁðÊ' Ê` Øêß Î Ó¾ ¾⁄»RÑ ÀÂÂ‡Ìè BIOS Âé¿è»TÇ€Âé¿èÄ` ¾⁄hÄ ÔNCR BIOS»RË' ¿ÌÐÑ¿ Às†Ìè¾⁄»RÀŠÒà¾Q¾ NCR 53C810 SCSI ËËÂ ¿u»T

ÃìÀÍÀŠÒàÃ Â‡Ìè¾⁄ÄÔ SCSI Ínía»RÍ¼Æ· Õ÷Ç€Í€ß ßi Êäï'À»»TNCR SCSI BIOS ¿z Ä×ËÏÀs DOS ¾f¾þÎÃ SCSI ÏŠÀ»ÔéÔêØ »RWindows ¾è OS/2»T¾⁄η¿¿YÁb¿è NCR 53C810 SCSI ËËÂ ¿uÀìÄ ÄÔÍ€À»ÔéÔêØ ßi Êäï'À»»R¿YDOS È À»¾è SCO UNIX È À»ÂíÂé¿èÍ€À»ÔéÔêØ »TDOS È À»ÄÔßi Êäï'À»¾Ä SCSI Ínía»RÆ ¿z¿Y¿èÀs DOS»RWindows NT»RNovell NetWare ¾è OS/2»TÀí SCO UNIX È À»ÄÔßi Êäï'À» ¾Ä SCSI Ínía»R¿z¿èÃ SCO UNIX»TÍ‚Âáßi Êäï'À»¾ ¿ë×ËÏ BIOS Ãì¾þÎÃÀÔÈÞ ÉúÛóÊÄ»T

Ç€Âé¿èßi Êäï'À»»RË' ¿ÌÐÑË_Í‚Âáï'À»ÀŠÒàÂ Â‡ÌèÏŠÀ»ÔéÔêØ ¾⁄»RÂÝ¿SË_¾Á¿lÂ Ë‘ ÄÔÂ‡ÌèÍnÄŠÚ㾯»TÀòÄ Òîììí À ŠÒà¾ Ä|»R×êÆ÷Í‚Âáßi Êäï'À»ÀìÄ ÄÔREADME ÚãÈñ ¾⁄ÄÔÕ»Ã »T

3.15 BIOS Flash Utility

¿YÄÓÄÔ¿UØ Ä` Í¼Æ· Ë_BIOS Ã Às¾QÔòÔó∄Ê EPROM ÄÔÊ` Øêß ¾⁄»RÑ Õ÷Ç€Á Ñ† BIOS ÄÔÈäÇî»R¿ÌÐÑÂé¿èÂ EPROM Ù_Ù Ø Ó»RÃì¿Y¾QÉ Âé¿èÄæÂÝÏ]Ä|ÀõÀ Á Ñ† BIOS»TÀíÑ†¾Q¿_ÄÔ¿UØ Ä` ¾ŠÍ%Ô¿Á ¿Flash ROM ÂíÚ‹À† BIOS»RÂþÚ^ÜZÀsÃ Âé ¿èÄæ¿^Ç€Í' Ó]¾ÂýÏ'À»»RÅ\¿zÀõÀ Á Ñ†Ñ†ÄÄÄÔ BIOS»RÅUËq¾ Å\»T

Á Ñ† BIOS ÄÔ¿òÄÔÀsÃ Î¼ÄëÑ†ÄÔ¿níú»RÃè¾þÎÃ¾QÂá¿ÅÇ˾hÑ†ËÚ¿¡ ÄÔÏŠß »TË‘¿zÂé ¿è BIOS Ù_Ù Ï'À»ÂíÁ Ñ† BIOS ÄÔÄÃ¿Õ»RÇ€Â Ë_ÍæÑ†ÄÔ BIOS ÚãÈñÕ̃aÙ_Ù Ï'À»»R ×êÆ÷ÒùË'ÄÔÒ×ØaÊí»RÃèÄæ¾⁄η¿¿YÐz¾⁄ÂôÇæÄÔÕ ÉÒ **(http://www.aopen.com.tw)** ¾f Ò (download)»TÙ_Ù Âv×ê×eÃŠË'ÃìÂ Ë_ÄÔBIOS ÚãÈñÆ· ¿Ù×eÄÔÄÃ¿Õ»R¾QÉ Âí Õ»»RË' ¿z¿YË"ÚãÈñ ÀhÔó ÂíÁaÜp»TÂìÀƒ»XÇj Úã Àh ÆÑ¾MX58P110.BIN»RÎ Ì_¿_Ä Í ,Æ MX58 Plus ¿UØ Ä` ÄÔBIOS»RÂþ ÄÃ¿ÕÆ· 1.10»T

AWARD BIOS

Áô ÇæÀQ Î½Âë ¾WÂü Çí ¾ Âý Ï' À» »XCHECKSUM.EXE ¾è AOpen Ù_ Ù Ï' À» AOFLASH.EXE»TÂé¿è¾ Ä|×ÊëÀì¿Y¾fÄÔÂSà[»X

[CHECKSUM.EXE]

Í¸Çí¾ÂýÏ'À»¿z¿YÚÊË'×eÕ'¾fÒ ÄÔ BIOS ÚãÈñ chechsum Æ´ Áp¿Ù×e»T

1. ×êÊ À CHECKSUM Biosfile.bin

   Biosfile.bin Å ÄÔÆ` BIOS ÚãÈñÄÔÀhÔó(Àƒ MX58P110.BIN)»T

2. Ï'À»Ñ̃ßý¿ö "Checksum is ssss"»T

3. ×ê¾ Ò Ç ¾×ÁXÀs AOpen Ô ÉÒÃè BBS ¾hÄÔchecksum "ssss"»RÆ÷Æ÷Æ´ Áp¿Ù×e»TÀƒÄX¾½¿Ù×eÄÔÒö»R×ê¾ßÊ À Ù_Ù ÄÔÊäÁQ»RÂÝÇÅÑ†¾fÒ ¾QÀÒ»T

[AOFLASH.EXE]

Ê À CHECKSUM Ï]Õ•ÅûRÅ\¿z¿YÂé¿è AOFLASH.EXE ÂíÙ_Ù Ñ†ÄÃÄÔ BIOS ¾WTÍ¸Çí Ù_Ù Ï'À»Ñ¿ ÚãÆu¿UØ Ä`¾è Super/Ultra I/O IC ÄÔÅÆ±Ó»R¿Y×eÅ`BIOS ÚãÈñÆ´ ¿Ù×eÄÔ»T×êÄqÑ_»XÙ_Ù ÁÓÀÅÅû»RÇBIOS Ë_Ñ´ÍbÜêÔñEÖ»T

1. ¿ë A ÔéÔê¿Y DOS Ð"Ø ¾ Ð"Ø »RÂÝ¿S×ê¾ßÊ À ÀƒÔòÊ`ÕêÛ ÔøÌ'Ï'À»(Àƒ HIMEM»S EMM386»SQEMM386, ...)»T

2. ×êÊ À AOFLASH Biosfile.bin

   Biosfile.bin Å ÄÔÆ` BIOS ÚãÈñÄÔÀhÔó(ÀƒMX58P110.BIN)»T

3. ÀsÒ ¾[Ñ†ÄÔ BIOS ÚãÈñÅû»RÏ'À»Ñ'Ê÷Ë'Æ´ ÁpÇ¢ÆË_ÜÜÄÃÄÔ BIOS À†Â ÔéÔê¾¼»R ×êÙ Øö "Y" Ë_Âpˆ†ÆÊ "BIOS.OLD"»T

4. Ú‹À†ÜÜÄÃ BIOS ÁÓÌÀÅû»R×êÅ ¾f"Y" Ð"Ã}ÐzÀ Ù_Ù »T

5. ÀsÙ_Ù Ó]Ï' ¾¾»RÙÝÓ Ñ"ßý¿ö¾QÀ "FLASHING" ÄÔÊeÈÁ (Ù_Ù ¾¾»RÀÔÒÊã¾uÒf ¾¼¿zÝ Ø »T

6. Às "FLASHING" ÊeÈÁÊ ¿¼Åû»R×êÝ ÍÆÓ„Ñ×ÂÝÇÅÑ†Ð"Ø »T

7. Ð"Ø ÅûÅ ¾f "DEL" ÛpÐz¾[BIOS Setup ÏvÇË»T

8. ÇÅÑ†Ù ÃŠ "BIOS SETUP DEFAULT" Ù ÐÏ»RË_Â‡ÌèÍñÅŠÀsÍæÝÇÃŠÄÔÄÆÐR»WÃè ÄæË'¾ц¿Y×ïØýÀÂÇ ¿ ÄÔÍñÅŠÇâ»T

9. Ù Øö "Save & Exit"»RÂ ÀÓÍ_¾¿ńÁÀÂÊï»Z

ÞÏ Áz：×ê ¾½Ç€Às Ù_Ù Ó] Ï' ¾¾ (Î_Æ Ñ ÙÝÓ ¾¾ßý¿ö
"FLASHING" Èã) Ý Ø »T Àƒ ÄXÂd ÀÍ Ù_Ù ÁÓ À Î_Ý Ø »R
Â‡ÌèË_Ï]Ä|ÇÅшÑ†ËìÊä»RË' Î_¿ÌÐÑÁ ÎÅ BIOS Flash ROM
¾▲N»T

Î½¿ö：Ë' ¾n¿z¿YÂæÎq ÀaÖ àÄÔÏ' Áá»R Ë_ÜÜ ÀÃ ÀÔ BIOS
"BIOS.OLD" Öx Ào»T

Ä Ù C Jumper ÍnÃŠÄ

ÍnÃŠ CPU Ó„Ú½

CPU	Type	Vcore	S4	S5	S6	S7	S8
INTEL P54C	Í Ó„Ú½	3.45V	OFF	ON	ON	ON	OFF
INTEL P55C	Ü Ó„Ú½	2.8V	OFF	OFF	OFF	ON	OFF
AMD K5	Í Ó„Ú½	3.52V	ON	ON	ON	ON	OFF
AMD K6-166/200	Ü Ó„Ú½	2.9V	ON	OFF	OFF	ON	OFF
AMD K6-233	Ü Ó„Ú½	3.2V	OFF	OFF	ON	ON	OFF
AMD K6-266/300	Ü Ó„Ú½	2.2V	OFF	ON	OFF	OFF	OFF
AMD K6-II	Ü Ó„Ú½	2.2V	OFF	ON	OFF	OFF	OFF
Cyrix 6x86	Í Ó„Ú½	3.52V	ON	ON	ON	ON	OFF
Cyrix 6x86L	Ü Ó„Ú½	2.8V	OFF	OFF	OFF	ON	OFF
Cyrix M2	Ü Ó„Ú½	2.9V	ON	OFF	OFF	ON	OFF
IDT C6	Í Ó„Ú½	3.52V 3.3V	ON ON	ON OFF	ON ON	ON ON	OFF OFF

ÐÏÁz: ÀƒÄXË' Âé¿è Intel PP/MT-233 Ãè AMD K6 Â‡ÀTÍSÌ ' ØÓ»R×êÂé ¿è Ò ¾{ÄÔ CPU ÇÑÈÊ»TÀƒÄXÏ]Ä|ÌßÀiÍ, Âá CPU ÄÔÎÌö Õ÷ÂU»R‡Ìè ¿zÉúÑ"Ï, ¿ç¾4ÝÇÄŠÄÔÌ ' ÐY»TÀÍÝ Ã CPU ÇÑÈÊ»RÀsÁôÇæÄÔ web ÉÒ (http://www.aopen.com.tw) ¾hÀÍÀT¿i Æ5Ý ÄÔÒ Êe»T

ÍnÃŠ CPU ÚhÌ‰

S1	S2	S3	CPU Frequency Ratio
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
OFF	OFF	ON	5.5x

Jumper ÍnÃŠÄ

JP4	JP5	JP6	CPU External Clock
2-3	2-3	1-2	50MHz
2-3	2-3	2-3	55MHz
1-2	2-3	1-2	60MHz
2-3	1-2	1-2	66MHz
1-2	2-3	2-3	75MHz
2-3	1-2	2-3	83MHz

INTEL Pentium	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
P54C 75	75MHz =	1.5x	50MHz	OFF	OFF	OFF	2-3 & 2-3 & 1-2
P54C 90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
P54C 100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
P54C 120	120MHz =	2x	60MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
P54C 133	133MHz =	2x	66MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P54C 150	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
P54C 166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
P54C 200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2

INTEL Pentium MMX	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
PP/MT 150	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
PP/MT 166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2

Cyrix 6x86 & 6x86L	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
P120+	100MHz =	2x	50MHz	ON	OFF	OFF	2-3 & 2-3 & 1-2
P133+	110MHz =	2x	55MHz	ON	OFF	OFF	2-3 & 2-3 & 2-3
P150+	120MHz =	2x	60MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2
P166+	133MHz =	2x	66MHz	ON	OFF	OFF	2-3 & 1-2 & 1-2
P200+	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3

Cyrix M2	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
MX-PR166	150MHz =	2.5x	60MHz	ON	ON	OFF	1-2 & 2-3 & 1-2
MX-PR200	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
	150MHz=	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3
MX-PR233	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2

Cyrix M2	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
	166MHz=	2x	83MHz	ON	OFF	OFF	2-3 & 1-2 & 2-3
MX-PR266	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
MX-PR300	225MHz=	3x	75MHz	OFF	ON	OFF	1-2 & 2-3 & 2-3
	233MHz=	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
	240MHz	4x	60MHz	ON	OFF	ON	1-2 & 2-3 & 1-2

AMD K5	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
PR75	75MHz=	1.5x	50MHz	OFF	OFF	OFF	2-3 & 2-3 & 1-2
PR90	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
PR100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR120	90MHz =	1.5x	60MHz	OFF	OFF	OFF	1-2 & 2-3 & 1-2
PR133	100MHz =	1.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR166	116MHz =	1.75x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2

AMD K6	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
PR2-166	166MHz =	2.5x	66MHz	ON	ON	OFF	2-3 & 1-2 & 1-2
PR2-200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2
PR2-233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	2-3 & 1-2 & 1-2
PR2-266	266MHz=	4x	66MHz	ON	OFF	ON	2-3 & 1-2 & 1-2
PR2-300	300MHz=	4.5x	66MHz	ON	ON	ON	2-3 & 1-2 & 1-2

IDT C6	¾ÔÍ»ÚhÌ‰	ÇÙÚh¾	¿•Úh	S1	S2	S3	JP4 & JP5 & JP6
C6-150	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 2-3
C6-180	180MHz =	3x	60MHz	OFF	ON	OFF	1-2 & 2-3 & 1-2
C6-200	200MHz =	3x	66MHz	OFF	ON	OFF	2-3 & 1-2 & 1-2

Ì^Ê½CMOS

JP14	Ì^Ê¼CMOS
1-2	Normal operation (default)
2-3	Clear CMOS

ÍnÃŠ PCI Clock

JP8	ÍnÃŠ PCI Clock
1-2	Sync (default)
2-3	Async

Jumper ÍnÃŠÄ

Ý ÍÆ¾ÔÅò VGA

JP11	Ý ÍÆ¾ÔÅò VGA
1-2	Enabled (default)
2-3	Disabled

Ý ÍÆ¾ÔÅòÇÏÈÞÎÓ¾

JS1	Ý ÍÆ¾ÔÅòÇÏÈÞÎÓ¾
1-2	Enabled (default)
2-3	Disabled

Ä Ù A ËqÂ¼Ê÷ÝUÐÊÒë

Q: Àƒà Êé¾Ú1**BIOS**1ÄÃ¿ÕP

A: AOpen ¿UØ Ä`¿UØ Ä`ÄÛBIOS ÄÃ¿ÕÑ"ßý¿öÀsÐ"Ø Èã POST (Power-On Self Test) Ä Ä »RÍ„ËqÑ"¿Y R À.Ð"Új »X

```
        AP53/AX53 R3.80 Oct.22.1996
```

↑ —————— BIOS revision

Q: ¾ÊÕ Æ **MMX**»Y

A: MMX Æ Ñ†¾Q¿_Intel Pentium PP/MT (P55C) ¾è Pentium II CPUÄÔÍ À ÀyÅ ¿` (single line multiple instruction) ÁøÍ_»RMMX ¾ÁÅ ¿`ÀsÀyÎTß ÚÍ¿è¾hÉdÁ`ÀÍÈÞ (Àƒ 3D ¿ùß Ö%ôÍ»S3D ÇÏÈÞ»SÏ ÊeÑ"ÞÍÔàÒ~)»TÀyÎTß ÚÍ¿èÏ'À»Çj Âé¿èMMXÅ ¿`Ë_¿z¾ÍeÁ Ï×¾ÁQÈÞÉú»TÅò ðAOpen ¿UØ Ä`¾hÀÍÀö¾ØÜ Ó„Ñ×¾þÎÂP55C»RÂÝ ¾ÕÕ÷Ç€ÉdÈ ¾ÁÎÓ¾ Âí¾þÎÃ MMX CPU Áj ¿Âé¿èÀÓ¾Q¿nÉú»T

Q: ¾ÊÕ Æ 1WÏT1U¸T19Uvt}r.r‡z¸€1¸wÍT¸€w¸.~z‡Œ»Y

A: U¸T1Æ ¾QÒòÑ†ÄÔ1WÏT1Íh È Õ'ÝìÖêÑá»RÑ†ÖêÑáÍh ÃŠŽ 1ó†Ìï¿ 19Àƒ¿UØ Ä`:1Às¿í ×ê1U¸T1ÖêÍÓ191]¸x¸1:1Èã»R¿ÌÐÑÏØÊ¼Ø ÎùÄÔÓ{Ü »RÂþÎ Òï Íh×uÆÊ1EHÏTWc1BF7ÐB»T¿U Ø Ä`¾Á1U¸T1Î Òï¾ ÐáÎè1WÏT1Î ÒïÁ ¿lÁ<Ý »RÀƒÄX¿UØ Ä`Í„Ó]1U¸T1Î Òï»RÎ_¿_ Ä ¿UØ Ä`ÄÔ1 V^ZΙÙ ÈxÅUÉqÁT»RÃì¿YÏ'¿z¿Y¿è¿ À Á × ÄÔØ Îù1 9Áj Å\Æ ¿èÂâÁQÄÔ Ø Îù¿ ¿z»TÅò ð1R`ƒv€1Ñ†¾Q¿_ÄÔ¿UØ Ä`Í½¾ŠÍ„Ó]1U¸T1Î Òï»R¾£ÓéÁj ÆÊ1U¸T1Öê ÍÓÖà¿Õ»X

ËqÂ¼Æ÷ÝUÐÊÒë

Q: ¾ÊÕ Æ **Bus Master IDE (DMA mode)**P

A: ÐáÌèÄÔ PIO (Programmable I/O) IDE Õ÷Ç€ CPU Â ÁfÀÍÝ IDE ¿ Í»ÄÔÊ À Êä ÁQ»R¿nÉRÌ¿Å÷Ø Ë ÊäÁQÃÔÁÓÀÃ»TÆÊÎ ¾CPU ÄÔ¾ÁQÇ¡¼Öû»RBus Master IDE Òà Ò~¿¿Ä×ÉÀ†Å Ê` Øêß Ò Êe»R¾Õ÷Òx¿¿CPU»R¿S¿¿Âé CPU ÓSÁQÃ^Ê` Øêß ÕÉDE ÒàÒ~Ð»ÄÔÔ ÊàÐáÊvÀaÈãÐzÀ »T¾Ó] Bus Master IDE Õ÷Ç€ Bus Master IDE ßi Êä Ï'À»Ã^ Bus Master IDE ÏŠÔêÂí¾ÞÎÃ¾ ¿¿ÙÉqÊäÁQ»T

Q: ¾ÊÕ Æ **Ultra DMA/33**»Y

A: Í,Æ ¾QÔòÑ†ÄÔÍ hÈ »R¿òÄÔÀsÁ ÏDE ÏŠÔêÄÔÐáÙ Ì‰RÐáÌè¾APIO Mode ÐâÂé¿è IDE ËÊ ÅÝÒÖ¾Á¾n×‡(Rising edge) ÂíÐáÙ Ò Êà»RDMA/33 Åy¿ÀaÈãÂé¿è¾n×‡Ã^ ¾Æ×‡(Falling edge) »RÀnÁÖÖ ÊeÐáÙ Ì‰Æ PIO Mode 4 Ãè DMA Mode 2 ÄÔÂü ÇÙ»R(16.6MB/S x 2 = 33MB/S) »T

¾ÆÄ ÀT¿¿i IDE PIO Ã^ DMA Mode¾ÁÐáÙ Ì‰RÀn IDE Ðñ¡ÆÖÈàÆ 16 bit»RÆXÂTÀÒÐá Ù Æ 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

Q: ¾ÊÕ Æ **ACPI (Advanced Configuration & Power Interface)** Ã^ **OnNow**»Y

A: ACPI Æ 1997(PC97) ÄÔ¾QÔòÑ†ÄÔÓ„Ñ×ÔøÌ‘ÍhÈ »RÂþ¿òÄÔÀsÁ Ðz¾QÂSÒx¿ëÁQÑ•Â‡ Ìè(OS)ÂíÒqÆôÓ„Ñ×Àí¾Á‘Ó]ÐáÌè Green PC BIOS»RÆÉÖWÂ ÀÓ¿òÄÔ Chipset Ãè Ultra I/O Î¾ Õ÷Î½ÂëÖêÑá¾ÐÇË (Standard Register Interface) ÏÓÁQÑ•Â‡Ìè (Àƒ Win98)»RÂÂÝ¿Z¾ÁÁQÑ•Â‡ÌèÍ ÙhÝ ÍÆÃ^Å Îp¾½ÀaÎ¾ Ó„Ñ×¾Á¿Éú»RÍ, ÑbÄ|Æ ÀÍÛZ ÓÍÚÝÎ»Áj ¿èPnP ¾Á¾ÐÇË (Register Interface)»T

ACPI ÍhÃŠÂé¿èÌ]Æ„À»Ó„Ñ×Å Û¤(Momentary Soft Power Switch) ÂíËÊ ¿èÓ„Ñ× ÄÆÁƒ¾Á¾ÛÎÅ»RÀnÀÓ¿ÌÐÑÀs ATX Form Factor Ê‡Ài Momentary Soft Power Switch ÄÔÂé¿è¾Æ×ÉÉÚÓ ßýÂþÈÐÀX»TACPI Íæ¾Á}ø¾QÉ Ó„Ò½Âé¿èÀaÄÔÍ»¿ ¿Éú¼Æ ¿ë¿ÞÒüÀ» Ó„Ò½(Notebook) ÃìÃÏÀ ÀíÂíÄÔÔtÑb ”OnNow”»TÍ,¿nÉú¾ÓÍmÀRÊÂ¾ÀnÀoÂ ¾n¾QÀÒ

Ý Ø ÅvÄÔ¾ˆÁQÏvçË»RÀí¾¼¿èÄûÄ ÈãÐ»Ï¿Å÷Ë„Ð"Ø ÈìÈä (Bootup)»RÐz¾{ Win95»R
Ï^ÅûÐz¾{ Winword»T

Q: ¾Ê�õ Æ ATX Soft Power On/Off Ã^Ï]Æ"À»Ó„Ñ×Ð"Ý ?

A: ATX ÍhÈ ¾¾ÄÔÍ€ß ÈìÈä(Soft Power On) Æ Ñ ¿UÓ„Ñ×Ý ÍÆÈã»RÉuÎ½Âë¾QÇíÅ÷Ãc
Ó„ÆE (Standby Current) ¾Ä¾QÉdÈ ÀoÒ »R¿èÃ Ï¿Å÷Í Ù Ó„Ò½¾Ääٿ (Wake Up
Event)»T¾ À ƒÕ»Æ ¿•×ˆÍ Ù »SÖàØôØ Í Ù ÄèÛ€çÏÍ Ù »T¾QÉ âíÕ»»RÍæÜÏÍ ÄÔÍS
Ì'Æ Î½Âëï¿ÇïÓ„ÆEÄÓ„Ñ×¾ÛÎÅÀoÒ »RÀnÀÓÏ]Æ"À»Ó„Ñ×Ð"Ý (Momentary Switch)
¿z¿ëÓ„Ñ×ÂëÛÍ ØÓÄÔÍ€ß Ó„Ñ×ËËÂ Ô÷ (Soft Power Control Pin) Ð"ËìÃèÝ ÍÆ¿UÇ€Ó„
Ñ×»T

Q: ¾Ê�õ Æ AGP (Accelerated Graphic Port)Þ

A: AGP Æ ¾QÇíÝ À PCI ÐñÆEàÄÔÑ†¾ÐÇË»R¿UÇ€¿òÖêÀsÃ ÊÄÈÞÉu 3D ÝÒÓéÄÔÚÍ¿è»R
À Ðâ¾þÎÃ̀ Øêß ßÄÖxÊäÁQ (Memory Read/Write Operation) Ã^ ¾QÓ ¾QÐáÙ
(Single-Master Single-Slave one to one only)»TAGP Âé¿è 66 MHz Clock ÄÔ¾h
×‡ (Rising Edge) ¾è¾fׇ (Falling Edge) ÂíÐáÕÒÒ Èà»RÆXÐáÙ Ì‰ÆÉ66MHz x 4
Byte x 2 = 528MB/S»T

Q: ÁôÒíÀƒÀ ÁaÜþ Windows 95 ÄÔÄÃ¿ÕÃ`Þ

A: Ë'¿z¿YÂæÑí¿Y¾fÄÔÂSà[ÂíÚàÏ Windows 95 ÄÔÄÃ¿Õ»X

1. Å Âü¾f»ˆËËÂ ¿<»%¾¾ÄÔ»ˆÂ‡Ìè»%Óé¿ö»T
2. Ù Â »ˆ¾QÉ »%öêßì»T
3. Ë„»ˆÂ‡Ìè»%öêÝU¾f»RË'¿z¿YÌ^Ñ»ÄÔÆ÷¿ìWindows 95 ÄÔÄÃ¿Õ»X

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: ¾Ê�õ Æ LDCM (LAN Desktop Client Manager)»Y

A: LDCM Æ Intel ËÜß%Î½Âë(Ñ Ï^Ç€¿Ð`)ÄÔÍ€ß »RÂþ¿òÄÔÀsÚÊÀf¾×¿„¾ÕÍ»ÄÔÒ Ò Òø
Ì'¾YÇ (Network Administrator) ÒäÑ ¾èÒøÏ‘ Client Ô÷ (Àé¿èÄæ) ÄÔÂ‡Ìèæ Ñ×»T
LDCM¿ÌÐÑÊ‡Ài DMI BIOS Âé¿è»RÂþÓ AOpen ¿UØ Ä`Á»ÆEDMI BIOS»R¿ˆÆ ¿Ö
¾Û¾{LDCM Í€ß Àí¾‰R¾Ó] LDCM Ðâ¾þÎÃ ATI VGA ¾è Intel Network ¿u, ÀR¿l
¾hÂþÚÍ¿èÃ Ù ¾×ÅåÚ Óì»R¾QÉ ÈrÈ<Âé¿èÄæßýÏ^ÂdÀÏ¿ÌÇ€Ày¿ŽÚ ÂíÛäÐ±DCM»T

ËqÂ¼Æ÷ÝUÐÊÒë

Q: ¾ÊÕ Æ ADM (Advanced Desktop Manager)Ⱂ

A: Í‚Æˆ Acer Ï‚ÈzÄÔÍ€ß »R¿ÀÝ À Intel LDCM»RÀ ÀÍ¾QâáÁ Ðz»ADM ¾¼¿‚ˆ¿èÃ Ù ¾«ÅáÔ Ò Ú Óì»R¿ÀÀaÈã¿z¿èà Â‡ÌèÄÆÔRÄÔÊÕÎ »RÀƒ CPU ÇÑÈÊÊÕÎ »RÂ‡ÌèÓ„Ú½ ÊÕÎ ¾è CPU Ó]Ö Å` ßQ»T

Features	ADM 2.1	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	Yes	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

Ä Ù B ÜÏÃ ÆXÕóËàʽ

Òƒ¾QË'Ó[Â Ê÷ÝU»R¾ƒÀTÏ'Áá¿z¿YÚÊÁƒË'ÀõÁôÚáÎ »RÀƒÄXÌÞ¾QÐÏÏ]ÈÞ×êËÏÏõÒïÌÞ¾X ÐÏ»T

Î½¿ö: ÀÍÍmÀyÀÍ¿èÄÔÒ ÈàÀsÁôÇæÄÔÔ ÇÐ¾Ô»RÀƒ jumper ÍnÃŠÇâ»RÍæÑ†ÀÔ BIOS ¾èßi ÊäÏ' À»»RËqÂ½Ê÷ÝUÏ¿Ï¿»T ×êÍŒÍiÁôÇæÄÔÔ ÉÒ»RÆ÷Æ÷Æ ÁpÀÍË' Õ÷Ç€ÄÔÏÄÈñ»RÁô ÇæÄÔÔ Á"Æ »X

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

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

Europe   http://www.aopen.nl

ÇÅÇ€: ÀsÎ^ÂUÒxØaÊíÂ Áƒ¾ÁÅ»R×ê×eÃŠË' ¾ŠÒïÓ]¾ƒÀT ÆXÕóËàʽ¿Í' Áá»RÂŶx¾ƒÒî Ìí ÄÔÊ÷ÝUΌç' »R¿nÆR¿UØ Ä`ÅÆÐÓ»SBIOS ÄÃ¿ÕÏ¿»TΌç' ÀrÑƒÒî Ìí »RÁôÇæÍSÎ' ¾è ÒëÂ^ÄÔÍ‡ÅñÑƒÁð»RÅòÞÍË' ¿è email Ãè FAX»RÓ„ÒöÑØ Í„Ò Ï]ÈÞÌ‰SÃ À ×^»RË' ¿z¿YÁb¿èÄ Ù ÄÔÊ÷ÝU¾éÚÍ Ä (Technical Problem Report Form)»T

ÜÌÃ ÆXÕóËàÊ½

ÙÝÓ ¾¼ßý¿öK

a. ×êÚáÆu Jumper Æ` Áp¿Ù×e»R¾ñÂþÆ CPU ÅÆÒÓ»RÍ /Ü Ó„Ñ× (P54C/MMX)»RCPU Úh Ì%¼eÇÙÚh ¾ Ì‰»T

b. ×êÚáÆuÓ„Ñ×Ëà×ˆÆ` ÁpËÏ¾éÃèÌØÀ (CPU ÇÑÈÊÆ` Áp¿ÙËqÓSÜú)»T

c. ¿UØ Ä`ÀÍÏ]¾½ÜËqî^Ò Ì'ÐY(Ó„Ñ×ÇÑÈÊÆ` Áp¿ÙËq)»T

d. ×êÌØÊ¼À ìÀ쾿ÐÇË¿u¾eÍ€/ÏŠÔêËà׈»R¿^Òà¾Ìh ßý¿ö¿u¿YÜÌ¾Ê÷ÝU»T

e. À ƒÀ Ê PCI ßý¿ö¿u»RÁ ÎÅÂ þ¿ À PCI Î»ÖëÃèÆ` ßý¿ö¿uÒïÒï»T

f. Ê` Øêß (SIMM/DIMM) Æ` ÁpÀŠÒà¿Ù×e»RÁ ÎÅÊ` Øêß Î»ÖëÃèÂþ¿]Ê` Øêß »T

g. ÚáÆuÏŠÔêËà׈ Pin 1 ¾ ÀgÆ` Áp¿Ù×e»T

ÀÍÙÝÓ »RÀ "Ñ "ÀsÌÞ¾ÒQÇíÏvÇ˻RÏ]Ä|Ðz¾[**BIOS** ÍnÃŠ:

a. ÚáÆuÛþ×]Æ` ÁpËÏÞÌ¾Â"»R×êÒ¾ÛÎÀ Num Lock Ûþ¿æuÆ÷ LED Æ` Áp¿ÙËqÜ¾ÑÚ»T

b. ÚáÆu Turbo Switch Æ` ÁpÞÚà (Release)»R×êÒ¾ßÀsÐ"Ø ÀvÂé¿è Turbo Switch»T (Pentium ¿Y¾hØ Ôò¾ŠÏ Turbo ¿ñÚú»R Turbo Switch ÍbÑ ÀÂ Suspend Switch ¿è»T)

ÀõÊä **Reboot**»RÇÅÜêÐ"Ø :

a. Ë_CMOS Ì^Ê½»ß BIOS Ñ'ßÄÂ ÓŠÍnÇâ (default)»RË_Â‡ÌèÍnÃŠÀÂ ÍæÝÇÃŠÄÆÒR»T

b. Ù Îq "ÙÝÓ ¾¼ßý¿ö:" ÄÔÚáÆu¾ À»¿[Ìí ÚáÆu»T

ÀÍÙÝÓ »RÀ Ï]Ä|Ð"Ø :

a. ÏŠÔêÏ]Ä|Ð"Ø »RÚáÆu BIOS ÄÔÍnÃŠÆ` ÁpÆ ELBA (Í„Ëq ÈvÐ„¾{Ã 540MB) È À»»T

b. Ë_BIOS ÍñÆ ÓŠÍnÇâ (Setup Default)»T

c. Í€ÔêÐ"Ø Æ` Áp¿ÙËq»RÀ ƒ ÀX¿ÙËq»R¿ÉúÆ ÏŠÔêËà׈ÃèÏŠÔê¿ÕÂÇ»T

ÏŠÔêØ Ï]Ä|ÊÕÎ ÀÂ¿m **(HDD Controller Fail**»**Rcan't detect HDD):**

a. ÚáÆuÏŠÔê¾hMaster/Slaver ÍnÃŠÆ` Áp¿Ù×e»T

b. ÚáÆuÏŠÔêËà׈ÃèÁ ÎÅÂ þ¿ÀÏŠÔêÒïÒï»T

Í€Ôê/ ÑàÓÅ/ À]Ä Ø ¾½¿ÙËqÃèÏ]Ä|¾ÂÁQ:

a.   ÚàÆuÍ€Ôê/À ÀT/ÂÝÀTËà×^Æ Áp¿Ù×e»T

b.   Ð"Ó„Ñ×ÈãÍ€ÔêÔéÚj Æ ÁpÊäÁQ»RÁ ÎÅÂþ¿ÀÍ€ÔÑàÓÅ/À]Ä Ø ÒïÒï»T

Ð"Ø ÈãÛþ×]Ï]ÊäÁQÃè **BIOS** ßý¿ö **Keyboard Controller Error:**

a.   ÚàÆuÛþ×] LED Ù` (Numeric Lock) Æ ÁpÃ ÑÚ¿ÙËφT

b.   ÚàÆu¿UØ Ä`Å`ÚíÑ(Fuse) Æ ÁpÙ_Üp(Âé¿èÓ„Ù ÚàÆuÆ ÁpÏ^Ò »RÅ`ÚíÑÀ Ò~ ÀsÛþ×]Î»ÈŒÈá»RÍ„ËqÊÊÔ ÀüÖê¿öÆ F1, 3A/125V)»T

Ï]Ä|Ú‹À† **BIOS Setup** ÃèÓ„ÀÚÂdÓ„ **(COMS data lost, Battery Low):**

a.   ÚàÆuÓ„ÀÚÆ ÁpÂdÓ„ (ÁTÃ 2.5V)»T

b.   ÚàÆu Clear CMOS Jumper Æ Áp¿Ù×e»T

ÜÌ Ã ÆXÕóËàÊ½

Technical Problem Report Form
Ì¼Å• **Model Name:** ÁáÒÓ **Serial Number:**

Ûƒ Ï Ò¾¾ **Contact:**	**Name:** **TEL:** **FAX:** **Email:**
Ê÷ÝUÎŒç' **Error Symptom:**	
Â‡ÌèÌï ÔR (×êÒî ç' ÅÆÐÓ¾èÄÃ¿Õ) **System Configuration: (Please list model name and version.)**	**OS:** _____ **BIOS:** _____ **CPU:** _____ **SIMM:** _____ **HDD:** _____ **CDROM:** _____ **VGA:** _____ **Sound:** _____ **Modem:** _____ **Others:** _____