

Burn In Room

Award BIOS v6.00PG  
EPIA LN BIOS rev 1.04

LN10000EAG

Phoenix - AwardBIOS CMOS Setup Utility

Standard CMOS Features	Frequency/Voltage Control
Advanced BIOS Features	Load Fail-Safe Defaults
Advanced Chipset Features	Load Optimized Defaults
Integrated Peripherals	Set Supervisor Password
Power Management Setup	Set User Password
PnP/PCI Configurations	Save & Exit Setup
PC Health Status	Exit Without Saving

: Select Item  
F10 : Save & Exit Setup

Virus Protection, Boot Sequence...

Run 1st

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Advanced BIOS Features	Load Fail-Safe Defaults
Advanced Chipset Features	Load Optimized Defaults
Integrated Peripherals	Set Supervisor Password
Power Management	word
PnP/PCI Configurations	Load Optimized Defaults (Y/N)? N
PC Health Status	Setup
	Saving

: Select Item  
F10 : Save & Exit Setup

Load Optimized Defaults

Y

Phoenix - AwardBIOS CMOS Setup Utility  
Standard CMOS Features

Date (mm:dd:yy)	Mon, Jan 1 2007	Item Help
Time (hh:mm:ss)	0 : 19 : 12	
IDE Channel 0 Master	[ None ]	Menu Level
IDE Channel 0 Slave	[ None ]	
IDE Channel 1 Master	[Emphase FDM40XSI512M]	Change the day, month, year and century
IDE Channel 1 Slave	[ None ]	
Halt On	[All , But Keyboard]	
Base Memory	640K	
Extended Memory	456704K	
Total Memory	457728K	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
F5: Previous Values F6: Fail-Safe Defaults F7: Optimized Defaults

Phoenix - AwardBIOS CMOS Setup Utility  
Advanced BIOS Features

CPU Feature	[Press Enter]	Item Help
Hard Disk Boot Priority	[Press Enter]	
Virus Warning	[Disabled]	Menu Level
CPU L1 & L2 Cache	[Enabled]	
Quick Power On Self Test	[Enabled]	
First Boot Device	[USB-FDD]	
Second Boot Device	[CDROM]	
Third Boot Device	[Hard Disk]	
Boot Other Device	[Enabled]	
Boot Up NumLock Status	[On]	
Typematic Rate Setting	[Disabled]	
Typematic Rate (Chars/Sec)	6	
Typematic Delay (Msec)	250	
Security Option	[Setup]	
APIC Mode	[Enabled]	
MPS Version Control For OS	[1.4]	
Display Full Screen Logo	[Enabled]	
Display Small Logo	[Disabled]	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
CPU Feature

Thermal Management	[Thermal Monitor 1]	Item Help
TM2 Bus Ratio	8 X	
TM2 Bus VID	0.700V	
C7 CMPXCHG8	[Enabled]	Menu Level
C7 NoExecute (NX)	[Disabled]	
C7 TM1/TM2 Working Temp °C	[100]	Thermal Monitor 1 (On die throttling)
C7 TM Overstress Temp °C	[125]	
ODCM	[Disabled]	Thermal Monitor 2
ACPI C4 Function	[Disabled]	Ratio & VID transition )

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
Hard Disk Boot Priority

1. Ch1 M. : Emphase FDM40XSI512M	Item Help
2. Bootable Add-in Cards	
> or <> to	Menu Level
	select a device , then press <+> to move it up , or <-> to move it down the list. Press <ESC> to exit this menu.

:Move PU/PD/+/-:Change Priority F10:Save ESC:Exit  
F5:Previous Values F6:Fail-Safe Defaults F7:Optimized Defaults

Phoenix - AwardBIOS CMOS Setup Utility  
 Advanced Chipset Features

		Item Help
Display Card Priority	[PCI Slot]	
AGP & P2P Bridge Control	[Press Enter]	
CPU & PCI Bus Control	[Press Enter]	Menu Level
AGP Driving Control	[Auto]	
AGP Driving Value	DA	
Select Display Device	[CRT]	If there are display cards on both AGP and PCI slots, configure this item for BIOS to select which one to boot
Panel Type	[02]	
TV H/W Layout	[COMPOSITE+S-Video]	
TV Type	[NTSC]	
TV Output Connector	[Press Enter] RUN	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 AGP & P2P Bridge Control

		Item Help
AGP Aperture Size	[128M]	
AGP3.0 Mode	[8X]	
AGP Fast Write	[Disabled]	
AGP 3.0 Calibration cycle	[Enabled]	Menu Level
VGA Share Memory Size	[64M]	
Direct Frame Buffer	[Enabled]	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 CPU & PCI Bus Control

VLink mode selection	[By Auto]	Item Help
VLink 8X Support	[Enabled]	Menu Level
DRDY_Timing	[Default]	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 TV Output Connector

CVBS (Composite)	[Enabled] -Disable	Item Help
S-Video 0 (Y/C)	[Enabled] -Disable	Menu Level

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
Integrated Peripherals

SuperIO Device	[Press Enter]	Item Help
Onboard IDE Channel 1	[Enabled]	Menu Level
Onboard IDE Channel 2	[Enabled]	
IDE Prefetch Mode	[Enabled]	
IDE HDD Block Mode	[Enabled]	
OnChip SATA	[Enabled] - <b>DISABLE</b>	
SATA Mode	[RAID]	
AC97 Audio	[Auto] - <b>Disable</b>	
OnChip LAN	[Enabled]	
OnChip Lan Boot ROM	[Disabled]	
OnChip USB Controller	[All Enabled]	
OnChip EHCI Controller	[Enabled] - <b>Disable</b>	
USB Emulation	[ON] - <b>OFF</b>	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
SuperIO Device

SuperIO Device		Item Help
Onboard Serial Port 1	[3F8/IRQ4] - <b>2F8/IRQ3</b>	Menu Level
Onboard Parallel Port	[378/IRQ7]	
Parallel Port Mode	[SPP] - <b>EPP</b>	
EPP Mode Select	EPP1.7 - <b>EPP1.9</b>	
ECP Mode Use DMA	3	
Onboard Fast IR	[Disabled]	
Fast IR IRQ	3	
Fast IR DMA	6	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 Power Management Setup

ACPI Suspend Type	[S1(POS)]	Always ON	Item Help
HDD Power Down	[Disabled]		Menu Level
Power Management Timer	[Disabled]		This item allows you to select how the BIOS put system into power saving mode.
Video Off Option	[Suspend -> Off]		
Power Off by PWRBTN	[Instant-Off]		S1(POS): System in low power mode
Run VGABIOS if S3 Resume	[Auto]		S3(STR): All components are powered off except memory.
AC Loss Auto Restart	[Off] - ON		S1 & S3: Depends on OS to select S1 or S3
Peripherals Activities	[Press Enter]		
IRQs Activities	[Press Enter]		

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 Peripherals Activities

PS2KB Wakeup Select	[Hot key]	Item Help
PS2KB Wakeup from S3/S4/S5	[Disabled]	Menu Level
PS2MS Wakeup from S3/S4/S5	[Disabled]	When Select Password, Please press ENTER key to change Password Max 8 numbers.
USB Resume from S3	[Disabled]	
VGA Event	[OFF]	
COM Event	[COM] - NONE	
HDD Event	[ON]	
PCI Master Event	[OFF]	
PowerOn by PCI Card	[Disabled]	
Wake Up On LAN/Ring	[Disabled]	
RTC Alarm Resume	[Disabled]	
Date (of Month)	0	
Resume Time (hh:mm:ss)	0: 0 : 0	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 IRQs Activities

		Item Help
Primary INTR	[ON] - OFF	
IRQ3 (COM 2)	[Enabled]	Menu Level
IRQ4 (COM 1)	[Enabled]	
IRQ5 (Reserved)	[Disabled]	
IRQ6 (Floppy Disk)	[Disabled]	
IRQ7 (Reserved)	[Disabled]	
IRQ8 (RTC Alarm)	[Disabled]	
IRQ9 (IRQ2 Redir)	[Disabled]	
IRQ10 (Reserved)	[Disabled]	
IRQ11 (Reserved)	[Disabled]	
IRQ12 (PS/2 Mouse)	[Enabled]	
IRQ13 (Coprocessor)	[Enabled]	
IRQ14 (Hard Disk)	[Enabled]	
IRQ15 (Reserved)	[Disabled]	

If you choose Disabled , the power management unit will not monitor any IRQ activities.

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
 PnP/PCI Configurations

		Item Help
PNP OS Installed	[No]	
Reset Configuration Data	[Disabled]	Menu Level
Resources Controlled By	[Auto(ESCD)]	
IRQ Resources	Press Enter	
Assign IRQ For VGA	[Enabled] - Disable	
Assign IRQ For USB	[Enabled]	

Select Yes if you are using a Plug and Play capable operating system Select No if you need the BIOS to configure non-boot devices

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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PC Health Status

CPU Vcore	0.981 V	Item Help
3.3V	3.260 V	Menu Level
12V	11.958 V	

Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help  
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Phoenix - AwardBIOS CMOS Setup Utility  
Frequency/Voltage Control

DRAM Clock	[By SPD]	Item Help
DRAM Timing	[Auto By SPD]	Menu Level
SDRAM CAS Latency [DDR/DDR	2.5/ 4	
Bank Interleave	Disabled	
Precharge to Active(Trp)	4T	
Active to Precharge(Tras)	07T	
Active to CMD(Trcd)	4T	
REF to ACT/REF (Trfc)	25T	
ACT(0) to ACT(1) (TRRD)	3T	
Read to Precharge (Trtp)	[2T]	
Write to Read CMD (Twtr)	[1T/2T]	
Write Recovery Time (Twr)	[4T]	
DRAM Command Rate	[2T Command]	
RDSAIT mode	[Auto]	
RDSAIT selection	03	
Auto Detect PCI Clk	[Enabled]	
Spread Spectrum	[0.25%] - <i>Disable</i>	

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PC Health Status	Saving

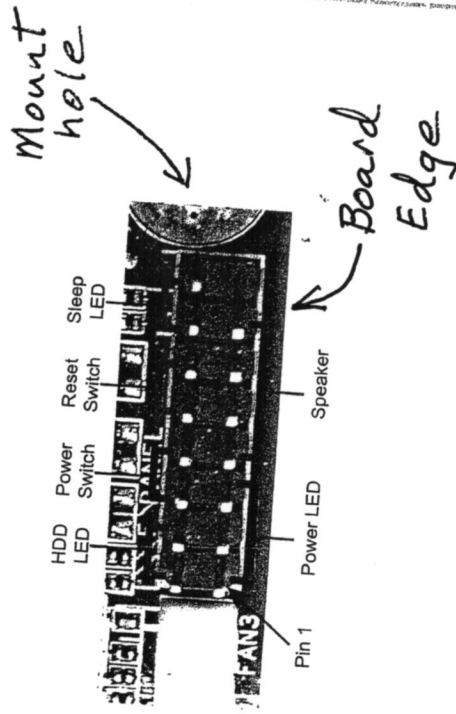
: Select Item  
F10 : Save & Exit Setup

Save Data to CMOS

Step

### 3 Connecting the Chassis Pins

The VIA EPIA mainboards usually have a chassis pinheader that resembles the picture below.



Epia LN10000