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### Version:

User Manual V1.0 for 761MX Series motherboard.  
P/N: 3A220JT00-000-G

### Symbol description:

-  **Note:** refers to important information that can help you to use motherboard better.
-  **Attention:** indicates that it may damage hardware or cause data loss, and tells you how to avoid such problems.
-  **Warning:** means that a potential risk of property damage or physical injury exists.

### More information:

If you want more information about our products, please visit Foxconn's website: <http://www.foxconnchannel.com>



**WEEE:** The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

# Declaration of conformity



**HON HAI PRECISION INDUSTRY COMPANY LTD**  
**66 , CHUNG SHAN RD., TU-CHENG INDUSTRIAL DISTRICT,**  
**TAIPEI HSIEN, TAIWAN, R.O.C.**

declares that the product

**Motherboard**  
**761MX**

is in conformity with

(reference to the specification under which conformity is declared in  
accordance with 89/336 EEC-EMC Directive)

- EN 55022: 1998/A2: 2003 Limits and methods of measurements of radio disturbance characteristics of information technology equipment
- EN 61000-3-2:2000 Electromagnetic compatibility (EMC)  
Part 3: Limits  
Section 2: Limits for harmonic current emissions  
(equipment input current  $\leq$  16A per phase)
- EN 61000-3-3/A1:2001 Electromagnetic compatibility (EMC)  
Part 3: Limits  
Section 2: Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current  $\leq$  16A
- EN 55024/A2:2003 Information technology equipment-Immunity characteristics limits and methods of measurement

Signature :

Place / Date : TAIPEI/2007

Printed Name : James Liang

Position/ Title : Assistant President

## Declaration of conformity



Trade Name: FOXCONN  
Model Name: **761MX**  
Responsible Party: PCE Industry Inc.  
Address: 458 E. Lambert Rd.  
Fullerton, CA 92835  
Telephone: 714-738-8868  
Facsimile: 714-738-8838

Equipment Classification: FCC Class B Subassembly  
Type of Product: Motherboard  
**Manufacturer: HON HAI PRECISION INDUSTRY  
COMPANY LTD**  
Address: 66 , CHUNG SHAN RD., TU-CHENG  
INDUSTRIAL DISTRICT, TAIPEI HSIEN,  
TAIWAN, R.O.C.

### Supplementary Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Tested to comply with FCC standards.

Signature : 

Date : 2007

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**i Attention:**

1. Attach the CPU and heatsink using silica gel to ensure full contact.
2. It is suggested to select high-quality, certified fans in order to avoid damage to the motherboard and CPU due to high temperatures.
3. Never turn on the machine if the CPU fan is not properly installed.
4. Ensure that the DC power supply is turned off before inserting or removing expansion cards or other peripherals, especially when you insert or remove a memory module. Failure to switch off the DC power supply may result in serious damage to your system or memory module.

**i Attention:**

We cannot guarantee that your system will operate normally while over-clocked. Normal operation depends on the over-clock capacity of your device.

**i Attention:**

Since BIOS programs are upgraded from time to time, the BIOS description in this manual is just for reference. We do not guarantee that the content of this manual will remain consistent with the actual BIOS version at any given time in the future.

**i Attention:**

The pictures of objects used in this manual are just for your reference. Please refer to the physical motherboard.

**i Attention:**

Please visit the Foxconn global English website (<http://www.fxconnchannel.com>) to download the latest BIOS file and drivers for this motherboard.

# Chapter 1

Thank you for buying Foxconn's 761MX Series motherboard. This series of motherboard is one of our new products, and offers superior performance, reliability and quality, at a reasonable price. This motherboard adopts the advanced SIS 761GX + 968 chipset, providing a computer platform with high integration, powerful compatibility and high performance-price ratio for users.

This chapter includes the following information:

- ❖ Specifications
- ❖ Jumpers

## Chapter 1 Main Features

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### Specifications - - English

<b>Size</b>	<ul style="list-style-type: none"><li>• Micro ATX form factor : 244mm x 203mm</li></ul>
<b>CPU</b>	<ul style="list-style-type: none"><li>• AMD AM2 socket for Athlon™ 64x2, Athlon™ 64 and sempron™ Processors</li><li>• Supports Hyper Transport™ 1.0 Technology</li></ul>
<b>Chipset</b>	<ul style="list-style-type: none"><li>• Northbridge: SIS 761GX</li><li>• Southbridge: SIS 968</li></ul>
<b>Memory</b>	<ul style="list-style-type: none"><li>• 2 x 240-pin DIMM slots</li><li>• Supports Dual-Channel DDR2 upto 800</li><li>• Supports upto 2GB</li></ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"><li>• 1 x PCI Express x16 slot</li><li>• 1 x PCI Express x1 slot</li><li>• 2 x PCI slots</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Realtek 6-channel Audio CODEC</li><li>• Supports S/PDIF output, Jack-Sensing function, Intel® High Definition Audio</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• 2 x Ultra DMA 133/100/66 devices</li><li>• 2 x SATA 300MB/s devices</li><li>• RAID 0, RAID 1 configuration</li></ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"><li>• 1 x PS/2 Mouse Port</li><li>• 1 x PS/2 Keyboard Port</li><li>• 1 x Serial Port(COM1)</li><li>• 1 x Parallel Port</li><li>• 1 x VGA Port</li><li>• 4 x USB 2.0 Ports</li><li>• 1 x RJ45 LAN Port</li><li>• 6-channel Audio Ports</li></ul>

(continued on the next page)

## Chapter 1 Main Features

<b>Internal I/O Connectors</b>	<ul style="list-style-type: none"><li>• 2 x USB 2.0 headers(supports 4 USB 2.0 ports)</li><li>• 2 x SATA connectors</li><li>• 1 x Floppy connector</li><li>• 1 x IDE connector</li><li>• 1 x Chassis intruder header(INTR)</li><li>• 1 x CD_IN header</li><li>• 1 x Speaker header</li><li>• 1 x S/PDIF_OUT header(optional)</li><li>• 1 x COM2 header(optional)</li><li>• 1 x Front Audio connector</li><li>• 1 x 24-pin ATX Power Connector</li><li>• 1 x 4-pin AUX Power Connector</li><li>• 1 x IrDA header</li><li>• 1 x CPU Fan connector</li><li>• 1 x System Fan connector</li><li>• 1 x NB Fan connector(optional)</li><li>• Front panel connector</li></ul>
<b>Support CD</b>	<ul style="list-style-type: none"><li>• Driver</li><li>• Utility</li></ul>

- Specifications are subject to change without notice.

## 第一章 主要性能

### 产品规格- -简体中文

尺寸	<ul style="list-style-type: none"><li>• mATX 结构: 244mm x 203mm</li></ul>
中央处理器	<ul style="list-style-type: none"><li>• 支持Socket AM2 规格 AMD Athlon™ 64X2, Athlon™ 64 和 Sempron™ 处理器</li><li>• 支持 HyperTransport™ 技术</li></ul>
芯片组	<ul style="list-style-type: none"><li>• 北桥: SIS 761GX</li><li>• 南桥: SIS 968</li></ul>
内存	<ul style="list-style-type: none"><li>• 2个240针脚内存插槽</li><li>• 支持双通道DDR2最高可达800</li><li>• 内存总容量最大可达2GB</li></ul>
扩展槽	<ul style="list-style-type: none"><li>• 1 个 PCI Express x16 插槽</li><li>• 1 个 PCI Express x1 插槽</li><li>• 2 个 PCI 插槽</li></ul>
音频	<ul style="list-style-type: none"><li>• Realtek 6 声道音频编解码器</li><li>• 支持 S/PDIF 输出, Jack-Sensing 功能, Intel® High Definition Audio</li></ul>
LAN	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
存储	<ul style="list-style-type: none"><li>• 2个Ultra DMA 133/100/66设备</li><li>• 2个SATA 300MB/s设备</li><li>• 支持 RAID 0, RAID1</li></ul>
后面板I/O	<ul style="list-style-type: none"><li>• 1 个 PS/2 鼠标接口</li><li>• 1 个 PS/2 键盘接口</li><li>• 1 个 串行接口 (COM1)</li><li>• 1 个 并行接口</li><li>• 1 个 VGA 接口</li><li>• 4 个 USB 2.0 接口</li><li>• 1 个 RJ45 网络接口</li><li>• 6声道音频接口</li></ul>

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<b>内置连接器</b>	<ul style="list-style-type: none"><li>• 2 个 USB 2.0 接头（提供4个USB 2.0接口）</li><li>• 2 个 SATA 接头</li><li>• 1 个 软驱接口</li><li>• 1 个 IDE 接口</li><li>• 1 个 机箱开启侦测接头</li><li>• 1 个 CD_IN 接头</li><li>• 1 个 Speaker 接头</li><li>• 1 个 S/PDIF_OUT 接头（选配）</li><li>• 1 个 COM2接头（选配）</li><li>• 1 个 前置音频接头</li><li>• 1 个 24 针ATX 电源接口</li><li>• 1 个 4 针 ATX_12V 电源接口</li><li>• 1 个 红外线通讯接头</li><li>• 1 个 CPU 风扇接头</li><li>• 1 个 系统风扇接头</li><li>• 1 个 北桥风扇接头（选配）</li><li>• 前端面板接头</li></ul>
<b>实用程序光盘</b>	<ul style="list-style-type: none"><li>• 驱动程序</li><li>• 应用程序</li></ul>

• 规格若有任何更改，恕不另行通知。

## Kapitel 1 Hauptmerkmale

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### Technische Daten--Deutsch

<b>Größe</b>	<ul style="list-style-type: none"><li>• Micro ATX-Formfaktor: 244mm x 203 mm</li></ul>
<b>CPU</b>	<ul style="list-style-type: none"><li>• AM2-Sockel für AMD Athlon™ 64 X2, Athlon™ 64 und Sempron™-Prozessoren</li><li>• Unterstützt HyperTransport™-Technologie</li></ul>
<b>Chipsatz</b>	<ul style="list-style-type: none"><li>• Northbridge: SIS 761GX</li><li>• Southbridge: SIS 968</li></ul>
<b>Speicher</b>	<ul style="list-style-type: none"><li>• 2 240-polige DIMM-Steckplätze</li><li>• Unterstützt Dual-Channel DDR2 bis 800</li><li>• Unterstützt bis 2 GB</li></ul>
<b>Erweiterungssteckplätze</b>	<ul style="list-style-type: none"><li>• 1 x PCI Express x16-Steckplatz</li><li>• 1 x PCI Express x1-Steckplatz</li><li>• 2 x PCI-Steckplätze</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Realtek 6-Kanal-Audio CODEC</li><li>• Unterstützt S/PDIF-Ausgang, Anschlusserkennung, Intel® High Definition Audio</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Speichergeräte</b>	<ul style="list-style-type: none"><li>• 2 x Ultra DMA 133/100/66-Geräte</li><li>• 2 x SATA-Geräte, 300 MB/s</li><li>• RAID-Konfiguration 0, 1</li></ul>
<b>I/O-Anschlüsse an der Rückseite</b>	<ul style="list-style-type: none"><li>• 1 x PS/2-Mausanschluss</li><li>• 1 x PS/2-Tastaturanschluss</li><li>• 1 x Seriellanschluss(COM1)</li><li>• 1 x Parallelanschluss</li><li>• 1 x VGA-Port</li><li>• 4 x USB 2.0-Ports</li><li>• 1 x RJ45-LAN-Port</li><li>• 6-Kanal-Audio-Ports</li></ul>

(Fortsetzung auf der nächsten Seite)

## Kapitel 1 Hauptmerkmale

<b>Interne I/O-Anschlüsse</b>	<ul style="list-style-type: none"><li>• 2 x USB 2.0-Anschlussleisten (Unterstützung für 4 USB 2.0-Ports)</li><li>• 2 x SATA-Anschlüsse</li><li>• 1 x Diskettenlaufwerkanschluss</li><li>• 1 x IDE-Anschluss</li><li>• 1 x Gehäuse-offen-Anschluss (INTR)</li><li>• 1 x CD_IN-Anschluss</li><li>• 1 x Lautsprecher-Anschluss</li><li>• 1 x S/PDIF_OUT-Anschluss(optional)</li><li>• 1 x COM2-Port-Anschluss(optional)</li><li>• 1 x Front-Audio-Anschluss</li><li>• 1 x ATX Power, 24-polig-Anschluss</li><li>• 1 x AUX Power, 4-polig-Anschluss</li><li>• 1 x IrDA-Anschluss</li><li>• 1 x CPU-Lüfter-Anschluss</li><li>• 1 x Systemlüfter-Anschlüsse</li><li>• 1 x NB- Lüfter (optional)</li><li>• Frontbedienfeld-Anschluss</li></ul>
<b>Support-CD</b>	<ul style="list-style-type: none"><li>• Treibe</li><li>• Dienstprogramme</li></ul>

• Angaben können sich ohne Vorankündigung ändern.

## Capítulo 1 Principales funciones

### Características- *-Español*

<b>Tamaño</b>	<ul style="list-style-type: none"><li>• Micro ATX factor de forma: 244mm x 203mm</li></ul>
<b>CPU</b>	<ul style="list-style-type: none"><li>• Conector AM2 para procesadores AMD Athlon™ 64 X2, Athlon™ 64 y Sempron™</li><li>• Compatible con HyperTransport™</li></ul>
<b>Conjunto de chips</b>	<ul style="list-style-type: none"><li>• Northbridge: SIS 761GX</li><li>• Southbridge: SIS 968</li></ul>
<b>Memoria</b>	<ul style="list-style-type: none"><li>• 2 x ranuras DIMM de 240-pin</li><li>• Compatible DDR 2 de doble canal con hasta 800</li><li>• Compatible con hasta 2GB</li></ul>
<b>Ranuras de expansión</b>	<ul style="list-style-type: none"><li>• 1 x ranura PCI Express x16</li><li>• 1 x ranura PCI Express x1</li><li>• 2 x ranuras PCI</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Realtek 6 canales Audio CODEC</li><li>• Compatible salida S/PDIF, sensible a conexión, sonido Intel® de Alta Definición</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Almacenamiento</b>	<ul style="list-style-type: none"><li>• 2 X dispositivos Ultra DMA 133/100/66</li><li>• Dispositivo 2 SATA 300MB/s</li><li>• Configuración RAID 0, RAID 1</li></ul>
<b>Panel de E/S trasero</b>	<ul style="list-style-type: none"><li>• 1 x Puerto de ratón PS/2</li><li>• 1 x Puerto de teclado PS/2</li><li>• 1 x Puerto Serie(COM1)</li><li>• 1 x Puerto Paralelo</li><li>• 1 x Puerto de VGA</li><li>• 4 x Puertos USB 2.0</li><li>• 1 x Puerto LAN RJ45</li><li>• Puertos 6 canales Audio</li></ul>

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## Capítulo 1 Principales funciones

<b>Conectores internos de E/S</b>	<ul style="list-style-type: none"><li>• 2 x Cabeceras USB 2.0 (admite 4 puertos USB 2.0)</li><li>• 2 x Conectores SATA</li><li>• 1 x Conector de disco flexible</li><li>• 1 x Conector de IDE</li><li>• 1 x Cabecera de intrusos en bastidor (INTR)</li><li>• 1 x Cabecera de CD_IN</li><li>• 1 x Cabecera de altavoz</li><li>• 1 x Cabecera S/PDIF_OUT(opcional)</li><li>• 1 x Conector de puerto COM2(opcional)</li><li>• 1 x Conector de Audio frontal</li><li>• 1 x Conector de 24-pin ATX Power</li><li>• 1 x Conector de 4-pin AUX Power</li><li>• 1 x Cabecera de IrDA</li><li>• 1 x Conector de Ventilador de CPU</li><li>• 1 x Conector de Ventiladores Sistema</li><li>• 1 x Ventilador NB(opcional)</li><li>• Conector de panel frontal</li></ul>
<b>CD de soporte</b>	<ul style="list-style-type: none"><li>• Controlador</li><li>• Utilidades</li></ul>

• Las características se encuentran sujetas a cambios sin aviso previo.

## Capítulo 1 Principais características

### Especificações--Português

<b>Tamanho</b>	<ul style="list-style-type: none"><li>• Factor de forma Micro ATX de 244 x 203 mm</li></ul>
<b>CPU</b>	<ul style="list-style-type: none"><li>• Socket AM2 para processadores AMD Athlon™ 64 X2, Athlon™ 64 e Sempron™</li><li>• Suporta a tecnologia HyperTransport™</li></ul>
<b>Chipset</b>	<ul style="list-style-type: none"><li>• Northbridge: SIS 761GX</li><li>• Southbridge: SIS 968</li></ul>
<b>Memória</b>	<ul style="list-style-type: none"><li>• 2 ranhuras DIMM de 240 pinos</li><li>• Suporta módulos de memória DDR2 até 800 de canal duplo</li><li>• Suporta até 2 GB</li></ul>
<b>Ranhuras de expansão</b>	<ul style="list-style-type: none"><li>• 1 ranhura PCI Express x16</li><li>• 1 ranhura PCI Express x1</li><li>• 2 ranhuras PCI</li></ul>
<b>Áudio</b>	<ul style="list-style-type: none"><li>• Realtek com 6 canais, codec de áudio</li><li>• Suporta saída S/PDIF, função Jack-Sensing, áudio de alta definição da Intel®</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Armazenamento</b>	<ul style="list-style-type: none"><li>• 2 dispositivos Ultra DMA 133/100/66</li><li>• 2 dispositivos SATA de 300 MB/s</li><li>• Configuração RAID 0, RAID1</li></ul>
<b>Entrada/Saída pelo painel traseiro</b>	<ul style="list-style-type: none"><li>• 1 x Porta para rato PS/2</li><li>• 1 x Porta para Teclado PS/2</li><li>• 1 x Porta série (COM1)</li><li>• 1 x Porta paralela</li><li>• 1 x Porta VGA</li><li>• 4 x Portas USB 2.0</li><li>• 1 x Porta LAN RJ45</li><li>• Portas 6 canais, áudio</li></ul>

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## Capítulo 1 Principais características

<b>Conectores internos de entrada/saída</b>	<ul style="list-style-type: none"><li>• 2 x Conectores USB 2.0 (para 4 portas USB 2.0)</li><li>• 2 x Conectores SATA</li><li>• 1 x Conector da unidade de disquetes</li><li>• 1 x Conector IDE</li><li>• 1 x Conector para detecção de intrusão no chassis(INTR)</li><li>• 1 x Conector CD_IN</li><li>• 1 x Conector de altifalante</li><li>• 1 x Conector S/PDIF_OUT (opcional)</li><li>• 1 x Conector da porta COM2 (opcional)</li><li>• 1 x Conector Áudio frontal</li><li>• 1 x Conector de alimentação ATX de 24 pinos</li><li>• 1 x Conector de alimentação auxiliar de 4 pinos</li><li>• 1 x Conector IrDA</li><li>• 1 x Conector da ventoinha da CPU</li><li>• 1 x Conector da ventoinha da sistema</li><li>• 1 x Ventoinha NB(opcional)</li><li>• Conector de painel frontal</li></ul>
<b>CD de suporte</b>	<ul style="list-style-type: none"><li>• Controlador</li><li>• Utilitários</li></ul>

• As especificações estão sujeitas a alteração sem aviso prévio.

## Capitolo 1 Caratteristiche principali

### Specifiche- -Italiano

<b>Dimensioni</b>	<ul style="list-style-type: none"><li>• Formato micro ATX: 244 mm x 203 mm</li></ul>
<b>CPU</b>	<ul style="list-style-type: none"><li>• Socket AM2 per processori AMD Athlon™ 64 X2, Athlon™ 64 e Sempron™</li><li>• Supporto tecnologia HyperTransport™</li></ul>
<b>Chipset</b>	<ul style="list-style-type: none"><li>• Northbridge: SIS 761GX</li><li>• Southbridge: SIS 968</li></ul>
<b>Memoria</b>	<ul style="list-style-type: none"><li>• 2 alloggi DIMM 240 pin</li><li>• Supporto DDR2 fino 800 Dual-Channel</li><li>• Supporto fino a 2GB</li></ul>
<b>Alloggi d'espansione</b>	<ul style="list-style-type: none"><li>• 1 Alloggio PCI Express x16</li><li>• 1 Alloggio PCI Express</li><li>• 2 Alloggi PCI</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Realtek 6-canali audio CODEC</li><li>• Supporto output S/PDIF, funzione di rilevamento connettori, Intel® High Definition Audio</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Archivio</b>	<ul style="list-style-type: none"><li>• 2 Dispositivi Ultra DMA 133/100/66</li><li>• 2 dispositivi SATA 300MB/s</li><li>• Configurazione RAID 0, RAID1</li></ul>
<b>Pannello posteriore I/O</b>	<ul style="list-style-type: none"><li>• 1 x Porta mouse PS/2</li><li>• 1 x Porta tastiera PS/2</li><li>• 1 x Porta Seriale (COM1)</li><li>• 1 x Porta Parallela</li><li>• 1 x Porta VGA</li><li>• 4 x Porta USB 2.0</li><li>• 1 x Porta LAN RJ45</li><li>• Porta 6-canali audio</li></ul>

(segue alla pagina successiva)

## Capitolo 1 Caratteristiche principali

<b>Connettori I/O interni</b>	<ul style="list-style-type: none"><li>• 2 x Collettori USB 2.0 (supportano 4 porte USB 2.0)</li><li>• 2 x Connettori SATA</li><li>• 1 x Connettore Floppy</li><li>• 1 x Connettore IDE</li><li>• 1 x Collettore intrusione telaio (INTR)</li><li>• 1 x Collettore CD_IN</li><li>• 1 x Collettore Altoparlante</li><li>• 1 x Collettore S/PDIF_OUT (optional)</li><li>• 1 x Collettore porta COM2 (optional)</li><li>• 1 x Connettore Audio frontale</li><li>• 1 x Connettore potenza ATX 24 pin</li><li>• 1 x Connettore potenza AUX 4 pin</li><li>• 1 x Connettore IrDA</li><li>• 1 x Connettore ventolina CPU</li><li>• 1 x Connettore ventolina di sistema</li><li>• 1 x Ventolina NB (optional)</li><li>• Connettore pannello frontale</li></ul>
<b>CD di supporto</b>	<ul style="list-style-type: none"><li>• Driver</li><li>• Utilità</li></ul>

- Le specifiche tecniche sono soggette a cambiamenti senza preavviso.

## Глава 1 Основные характеристики

### Технические характеристики- -Русский

<b>Размер</b>	<ul style="list-style-type: none"><li>• Форм-фактор микро-ATX размером 244 x 203 мм</li></ul>
<b>Процессор</b>	<ul style="list-style-type: none"><li>• Гнездо AM2 для процессоров AMD Athlon™ 64 X2, Athlon™ 64 и Sempron™</li><li>• Поддержка технологии HyperTransport™</li></ul>
<b>Набор микросхем</b>	<ul style="list-style-type: none"><li>• Северный мост: SIS 761GX</li><li>• Южный мост: SIS 968</li></ul>
<b>Память</b>	<ul style="list-style-type: none"><li>• 2 240-контактных гнезда DIMM</li><li>• Поддержка Двухканальная память DDR2 до 800</li><li>• Поддержка до 8 Гб</li></ul>
<b>Слоты расширения</b>	<ul style="list-style-type: none"><li>• 1 слот PCI Express x16</li><li>• 1 слот PCI Express x1</li><li>• 2 слота PCI</li></ul>
<b>Звук</b>	<ul style="list-style-type: none"><li>• Realtek 6 каналов, звуковой КОДЕК,</li><li>• Поддержка Выход S/PDIF, функция определения разъема, поддержка технологии Intel® High Definition Audio</li></ul>
<b>ЛВС</b>	<ul style="list-style-type: none"><li>• Realtek 10/100 Mb/s LAN Controller/ Broadcom 10/100 LAN PHY</li></ul>
<b>Устройство хранения</b>	<ul style="list-style-type: none"><li>• 2 устройств с интерфейсом Ultra DMA 133, 100, 66</li><li>• 2 устройств с интерфейсом SATA и скоростью передачи данных 300 Мб/с</li><li>• Конфигурации RAID 0, RAID 1</li></ul>
<b>Входы и выходы на задней панели</b>	<ul style="list-style-type: none"><li>• 1 Порт мыши PS/2</li><li>• 1 Порт Клавиатура PS/2</li><li>• 1 Последовательный порт (COM1)</li><li>• 1 Параллельный порт</li><li>• 1 Порт VGA</li><li>• 4 Порты USB 2.0</li><li>• 1 Разъем ЛВС RJ45</li><li>• Порты 6 каналов, звуковой</li></ul>

(продолжение на следующей странице)

## Глава 1 Основные характеристики

<b>Встроенные входы и выходы</b>	<ul style="list-style-type: none"><li>• 2 Разъемы USB 2.0 (поддержка 4 портов USB 2.0)</li><li>• 2 Разъемы SATA</li><li>• 1 Разъем дисководов гибких дисков</li><li>• 1 Разъем IDE</li><li>• 1 Разъем датчика открывания корпуса (INTR)</li><li>• 1 Разъем CD_IN</li><li>• 1 Разъем Динамик</li><li>• 1 Разъем выход S/PDIF (дополнительный)</li><li>• 1 Разъем порт COM2 (дополнительный)</li><li>• 1 Передний звуковой разъем</li><li>• 1 Разъем 24-контактный ATX</li><li>• 1 Разъем 4-контактный AUX</li><li>• 1 ИК-порт</li><li>• 1 Разъем Вентилятор процессора</li><li>• 1 Разъем системный вентилятор</li><li>• 1 Вентилятор северного моста (дополнительный)</li><li>• Передняя панель разъем</li></ul>
<b>Поддержка компакт-дисков</b>	<ul style="list-style-type: none"><li>• Драйвер</li><li>• Служебная программа</li></ul>

- Технические характеристики могут изменяться без уведомления.

## الفصل 1 الخصائص الرئيسية

### مواصفات - عربية

الحجم	• حاوية من نوع Micro ATX مقاس 244م × 203م
وحدة المعالجة المركزية	• مقبس AM2 لمعالجات AMD Athlon™ 64 X2 و Sempron™ and Athlon™ 64 • دعم تقنية HyperTransport™
الرقائق	• الجسر الشمالي (Northbridge): SIS 761GX • الجسر الجنوبي (Southbridge): SIS 968
الذاكرة	• عدد 2 فتحت DIMM × 240 ديوسا • دعم التصميم ثنائي القناة يصل إلى Dual-Channel DDR2 800 • دعم يصل إلى 2 جيجا بايت
فتحت التوسعة	• عدد 1 فتحة PCI Express x16 • عدد 1 فتحة PCI Express x1 • عدد 2 فتحت PCI
الصوت	• ترميز صوتي بست قنوات بتقنية Realtek • دعم خرج S/PDIF، وظيفة استشعار المقيس، تقنية Intel® High Definition Audio
شبكة الاتصال المحلية	• Broadcom 10/100 LAN PHY/Realtek 10/100 Mb/s LAN Controller
التخزين	• عدد 2 أجهزة Ultra DMA 133/ 100/66 • عدد 2 أجهزة SATA 300MB/s • تهيئة RAID 0، RAID 1
منافذ الدخل/الخروج للوحة الخلفية	• عدد 1 منفذ موس PS/2 • عدد 1 منفذ لوحة مفاتيح PS/2 • عدد 1 منفذ تسلسلي (COM1) • عدد 1 منفذ متوازي • عدد 1 منفذ VGA • عدد 4 منافذ USB 2.0 • عدد 1 منفذ شبكة اتصال محلية RJ45 • منافذ صوتي 6 قنوات بتقنية

تليق الصفحة التالية

## الفصل 1 الخصائص الرئيسية

<ul style="list-style-type: none"><li>• عدد 2 أطراف توصيل USB 2.0 (تدعم 4 منافذ USB 2.0)</li><li>• عدد 2 منافذ توصيل SATA</li><li>• عدد 1 منفذ توصيل محرك الأقراص المرنة</li><li>• عدد 1 منفذ توصيل IDE</li><li>• عدد 1 طرف توصيل Intruder للبيكل (INTR)</li><li>• عدد 1 طرف توصيل CD_IN</li><li>• عدد 1 طرف توصيل السماعة</li><li>• عدد 1 طرف توصيل OUT _S/PDIF (اختياري)</li><li>• عدد 1 منفذ توصيل COM2 (اختياري)</li><li>• موصل الصوت الأمامي</li><li>• عدد 1 موصل طاقة ATX ، 24 دبوس</li><li>• عدد 1 موصل طاقة AUX × 4 دبابيس</li><li>• عدد 1 طرف توصيل IrDA</li><li>• عدد 1 مروحة لوحدة المعالجة المركزية</li><li>• عدد 1 موصل لمروحة النظام</li><li>• عدد NB1 مروحة (اختياري)</li><li>• موصل اللوحة الأمامية</li></ul>	<b>منافذ توصيل الدخل/الخرج الداخلية</b>
<ul style="list-style-type: none"><li>• برنامج التشغيل</li><li>• الأنوت</li></ul>	<b>عم القرص المدم</b>

• قد تتغير المواصفات بدون إخطار مسبق.

## Chapter 1 Main Features

### Jumpers

This section explains how to setup jumpers. You should read the following content carefully prior to modifying any jumper settings.

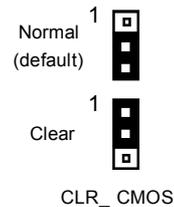
#### Attention

The jumpers on the motherboard, pin 1 can be identified by the bold silkscreen next to it. And in this manual, pin 1 is simply labeled as “1”.

#### Clear CMOS Jumper: CLR\_CMOS

The CLR\_CMOS jumper allows you to clear the data in CMOS. The data includes system setup information such as system password, data, time, and system setup parameters. To clear and reset the system parameters to default setup, please do as follows:

1. Turn off the computer and unplug the power cord from the power supply.
2. Move the jumper cap from pins 2-3 (default) to pins 1-2. Keep the cap on pins 1-2 for several seconds, then move the cap back to pins 2-3.
3. Plug the power cord and turn on the computer.

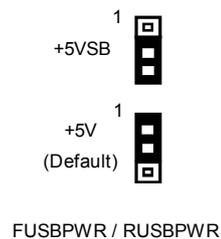


#### USB device wake-up Jumper: FUSBPWR/RUSBPWR

1. Set the jumper to pins 1-2 (+5V) to wake up the computer from S1 sleep mode using the connected USB devices.

2. Set the jumper to pins 2-3 (+5VSB) to wake up the computer from S3 and S4 sleep modes using the connected USB devices. At the same time, a corresponding setting must be set in BIOS as below:

Set “CMOS Setup”=>“Power Management Setup”=>“PM Wake Up Events”=>“USB Port Wake Up Control” to “Enabled”.

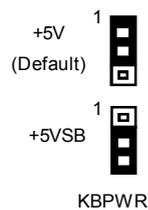


#### Note

1. FUSBPWR is for the internal USB connectors, RUSBPWR is for the rear USB ports.
2. The USB device wake-up feature requires a power supply that can provide 500mA on +5VSB lead for each USB port; otherwise, the system will not power up.
3. The total current consumed must not exceed the power supply capability (+5VSB) whether under normal condition or in sleep mode.

### Keyboard Jumper: KBPWR

This jumper allows you to enable or disable the Keyboard wake-up feature. To use it, firstly you need set "Power Management Setup" => "PM wake up Events" => "Power On By Keyboard" to "Any KEY" or "Hot KEY" in the COMS Setup. Secondly please set the jumper to pins 2-3(+5VSB). Now you are able to wake up the computer from S3, S4 and S5 sleep modes by pressing any key or the hot key on the keyboard. If you set "Power On By Keyboard" to "Password", Please set the password by entering "KB Power On Password". If you set "Power On By Keyboard" to "Keyboard 98", you can wake up your computer from sleep modes by pressing the "Power" key on keyboard 98.



# Chapter 2

This chapter tells how to change system settings through the BIOS Setup menus. Detailed descriptions of the BIOS parameters are also provided.

You have to run the Setup Program when the following cases occur:

1. An error message appears on the screen during the system POST process.
2. You want to change the default CMOS settings.

This chapter includes the following information:

- ❖ Enter BIOS Setup
- ❖ Main Menu
  - ❖ Standard CMOS Features
  - ❖ Fox Central Control Unit
  - ❖ Advanced BIOS Features
  - ❖ Advanced Chipset Features
  - ❖ Integrated Peripherals
  - ❖ Power Management Setup
  - ❖ PnP/PCI Configuration
  - ❖ PC Health Status
  - ❖ Load Fail-Safe Defaults
  - ❖ Load Optimized Defaults
  - ❖ Set Supervisor Password
  - ❖ Save & Exit Setup
  - ❖ Exit Without Saving

## Enter BIOS Setup

The BIOS is the communication bridge between hardware and software, correctly setting up the BIOS parameters is critical to maintain optimal system performance. Power on the computer, when the following message briefly appears at the bottom of the screen during the POST (Power On Self Test), press <Del> key to enter the BIOS CMOS Setup Utility.

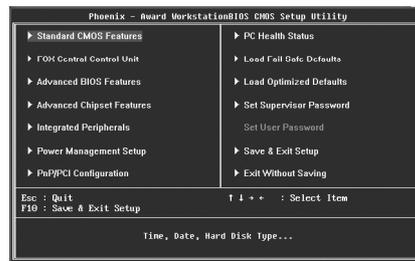
Press TAB to show POST Screen, DEL to enter SETUP, ESC to enter Boot Menu.

### **i** Note:

We do not suggest that you change the default parameters in the BIOS Setup, and we shall not be responsible for any damage that result from any changes that you make.

## Main Menu

The main menu displays a list of options that are available. Use the arrow keys to select among the items, when the correlative information of the the items will appear at the bottom, and execute the sub-menu by pressing <Enter>.



Main Menu

The items in the main menu are explained as below:

### 1. Standard CMOS Features

The basic system configuration can be set up through this menu.

### 2. Fox Central Control Unit

The special features can be set up by this menu.

### 3. Advanced BIOS Features

The advanced system features can be set up through this menu.

### 4. Advanced Chipset Features

The advanced chipset features can be set up through this menu.

### 5. Integrals Peripherals

All onboard peripherals can be set up through this menu.

### 6. Power Management setup

Through this menu you can set up all the items of Green function features.

## Chapter 2 BIOS Description

### 7. PnP/PCI Configuration

The system's PnP/PCI settings and parameters can be modified by this menu.

### 8. PC Health Status

This menu will display the current status of your PC.

### 9. Load Fail-Safe Defaults

You can load the Failsafe default BIOS settings through this menu.

### 10. Load Optimized Defaults

You can load the optimal performance settings by this menu, however, the stable default values may be affected.

### 11. Set Supervisor Password

#### Set User Password

You can set Supervisor/ User password by this menu.

### 12. Save & Exit Setup

Save CMOS value settings to CMOS and exit setup.

### 13. Exit Without Saving

Abandon all CMOS value changes and exit setup.

Below describes the function of each sub-menu in detail for you.

### 1. Standard CMOS Features

This sub-menu is used to set up the standard BIOS parameters, such as the date, time, floppy driver and so on. Select the item by the arrow keys, and then use the <+> or <-> keys to choose the setting values.



#### Standard CMOS Features

##### 1.1 Date(mm:dd:yy)

This option allows you to set the desired date (usually as the current day) with the <day><month><date><year> format.

Day—weekday from Sun. to Sat., defined by BIOS (read-only).

Month—month from Jan. to Dec..

Date—date from 1<sup>st</sup> to 31<sup>st</sup>, can be changed using the keyboard.

Year—year, set up by users.

**1.2 Time(hh:mm:ss)**

This option allows you to set up the desired time (usually as the current time) with <hour><minute><second> format.

**1.3 IDE Channel 0 Master/Slave,IDE channel 2/3 Master**

These categories identify the HDD types of 3 IDE channels installed in the computer system. There are three choices provided for the Enhanced IDE BIOS: None, Auto, and Manual. "None" means no HDD is installed or set; "Auto" means the system can auto-detect the hard disk when booting up; by choosing "Manual" and changing Access Mode to "CHS", the related information should be entered manually. Enter the information directly from the keyboard and press < Enter>:

Cylinder	number of cylinders	Head	number of heads
Precomp	write pre-compensation	Landing Zone	landing zone
Sector	number of sectors		

Award (Phoenix) BIOS can support 3 HDD modes: CHS, LBA and Large or Auto mode.

CHS	For HDD<528MB
LBA	For HDD>528MB & supporting LBA (Logical Block Addressing)
Large	For HDD>528MB but not supporting LBA
Auto	Recommended mode

**1.4 Drive A**

This option allows you to select the kind of FDD to be installed,including"None", [360K, 5.25 in], [1.2M, 5.25 in], [720K, 3.5 in], [1.44M, 3.5 in] and [2.88 M, 3.5 in].

**1.5 Halt On**

This category determines whether or not the computer will stop if an error is detected during powering up.

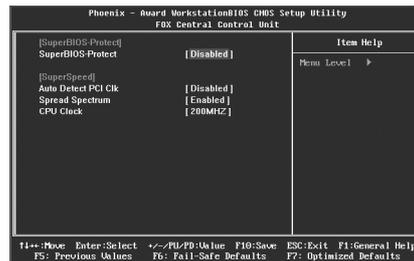
All Errors	Whenever the BIOS detects a nonfatal error, the system will stop and you will be prompted.
No Errors	The system boot will not stop for any errors that may be detected.
All, But Keyboard	The system boot will not stop for a keyboard error; but it will stop for all other errors.
All, But Diskette	The system boot will not stop for a diskette error; but it will stop for all other errors.
All, But Disk/Key	The system boot will not stop for a keyboard or disk error, but it will stop for all other errors

**1.6 Installed Memory**

This item is used to show the installed memory of the system.

## Chapter 2 BIOS Description

### 2. Fox Central Control Unit



Fox central control Unit

#### 2.1 [SuperBIOS-Protect]

##### SuperBIOS-Protect

Super-BIOS Protect Function protects PC from viruses, e.g. CIH, by using a HW/SW double BIOS lock technology.

#### 2.2 [SuperSpeed]

##### Auto Detect PCI Clk

This option is used to set whether the clock of an unused PCI slot will be disabled to reduce electromagnetic interference. The setting values are Disabled and Enabled.

#### 2.3 Spread Spectrum

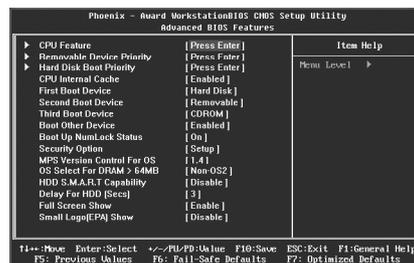
This item is used to set the spread spectrum functions.

**NOTE: The Spread Spectrum function can influence the EMI degree.**

#### 2.4 CPU Clock

This item is used to set CPU clock.

### 3. Advanced BIOS Features



Advanced BIOS Features

#### 3.1 CPU feature

Press enter to set the items of CPU feature.

#### 3.2 Removable Device Priority

This option is used to specify the Boot Device priority sequence from

available removable drives.

### 3.3 Hard Disk Boot Priority

This option is used to select the priority for HDD startup. After pressing <Enter>, you can select the HDD using the <PageUp>/<PageDn> or Up/Down arrow keys, and change the HDD priority using <+> or <->; you can exit this menu by pressing <Esc>.

### 3.4 CPU Internal cache

This option is used to enable or disable the CPU Internal cache.

### 3.5 First/Second/Third Boot Device

This option allows you to set the boot device's sequence.

### 3.6 Boot Other Device

With this function set to enable, the system will boot from some other devices if the first/second/third boot devices failed. The setting values are: Disabled and Enabled.

### 3.7 Boot Up Numlock Status

This item defines if the keyboard Num Lock key is active when your system is started. The available setting values are: On and Off.

### 3.8 Security Option

When it is set to "Setup", a password is required to enter the CMOS Setup screen; When it is set to "System", a password is required not only to enter CMOS Setup, but also to start up your PC.

### 3.9 MPS Version Control For OS

This option is used to set up the version of MPS Table used in OS.

### 3.10 OS Select For DRAM > 64MB

This option is only required if you have installed more than 64 MB of memory and you are running the OS/2 operating system. Otherwise, leave this item at the default.

### 3.11 HDD S.M.A.R.T Capability

S.M.A.R.T (Self Monitoring Analysis and Reporting Technology) is a technology that enables a PC to in some cases predict the future failure of storage devices (like hard disk drives). The default value is Disabled. For making use of the S.M.A.R.T. feature you would require a software (or BIOS) that enables and monitors the S.M.A.R.T status of your hard drive, and an operating system that supports the S.M.A.R.T feature i.e. Windows 95 or higher. Some BIOS contain this software, otherwise EZ-SMART from StorageSoft is an example of a utility that can enable and monitor the SMART status of your drive too (only available for Windows 98 and Windows NT).

## Chapter 2 BIOS Description

### 3.12 Delay For HDD [Secs]

This item is used to support some old models or special types of hard disks or CD-ROMs. They may need a longer amount of time to initialize and prepare for activation. Since the BIOS may not detect those kinds of devices during system booting. You can adjust the value to fit such devices. Larger values will give more delay time to the device. The minimum number you can enter is 0, and the maximum number you can enter is 15. The default setting is 3.

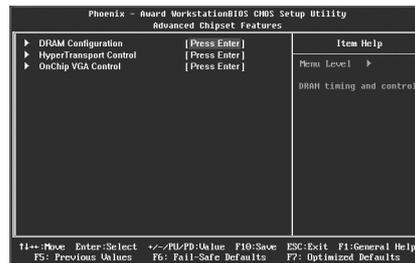
### 3.13 Full Screen Show

This item is used to set whether to show the logo in full screen or not when start system.

### 3.14 Small Logo [EPA] Show

This item is used to set whether to show the EPA logo or not when start system.

## 4. Advanced Chipset Features



### Advanced Chipset Features

#### 4.1 DRAM Configuration

Press "Enter" to set parameters of DRAM, such as memory clock frequency and so on. You'd better keep the default values unchanged.

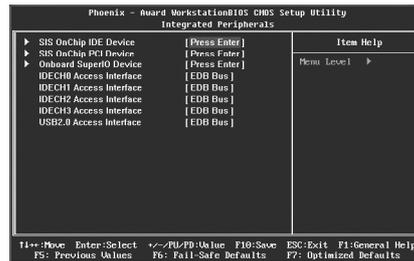
#### 4.2 Hypertransport Control

This item is used to control Hypertransport. Press "Enter" key, you are able to set the Hypertransport width and speed.

#### 4.3 OnChip VGA Control

This item is used to control OnChip VGA. Press "Enter" key, you are able to set the VGA Shared Memory size, Graphics Engine frequency and the GUI Memory Clock frequency.

## 5. Integrated Peripherals



Integrated Peripherals

### 5.1 SIS OnChip IDE Device

Press Enter to set the parameters of the SIS OnChip IDE Device.

### 5.2 SIS OnChip PCI Device

Press Enter to set the parameters of the SIS OnChip PCI Device.

### 5.3 Onboard SuperIO Device

Press Enter to set the parameters of the Onboard SuperIO Device.

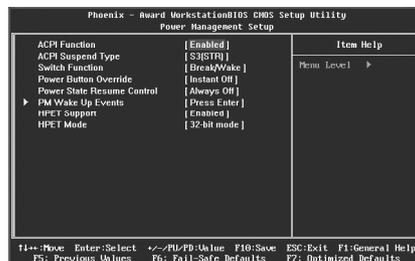
### 5.4 IDECH0/1/2/3 Access Interface

The default setting is EDB Bus. The EDB Bus is SIS special designed bus to enhance access performance.

### 5.5 USB2.0 Access Interface

The default setting is EDB Bus. The EDB Bus is SIS special designed bus to enhance access performance.

## 6. Power Management Setup



Power Management Serup

### 6.1 ACPI Function

ACPI stands for “Advanced Configuration and Power Interface”. ACPI is a standard that defines power and configuration management interfaces between an operating system and the BIOS. In other words, it is a standard that describes how computer components work together to

## Chapter 2 BIOS Description

manage system hardware. In order to use this function the ACPI specification must be supported by the OS (for example, Windows2000 or WindowsXP). The available setting values are: Enabled and Disabled.

### 6.2 ACPI Suspend Type

ACPI stands for “Advanced Configuration and Power Interface”. ACPI is a standard that defines power and configuration management interfaces between an operating system and the BIOS. In other words, it is a standard that describes how computer components work together to manage system hardware. In order to use this function the ACPI specification must be supported by the OS (for example, Windows2000 or WindowsXP). The available setting values are: Enabled and Disabled.

### 6.3 Switch Function

This item is used to enable or disable switch function to wake up.

### 6.4 Power Button Override

This item is used to set the power down method. This function is only valid for systems using an ATX power supply. When “Instant Off” is selected, press the power switch to immediately turn off power. When “Delay 4 Sec” is selected, press and hold the power button for four seconds to turn off power.

### 6.5 Power State Resume Control

This item is used to control power resume state.

### 6.6 PM Wake Up Events

Press Enter to set the parameters of Power Management Wake Up Events.

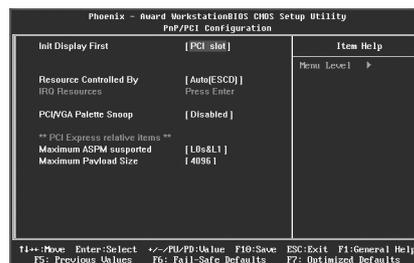
### 6.7 HPET Support

This item is used to enable or disable HPET.

### 6.8 HPET Mode

This item is used to select HPET Mode.

## 7. PnP/PCI Configuration



### PnP/PCI Configuration

#### 7.1 Init Display First

This option is used to set which display device will be used first when start up PC .

### 7.2 Resource controlled By

This option is used to define the system resource control scheme. If all cards you use support PnP, then select Auto (ESCD) and the BIOS automatically distributes interruption resources. If you install ISA cards not supporting PnP, you will need to select "Manual" and manually adjust interruption resources in the event of hardware conflicts. However, since this motherboard has no ISA slot, this option does not apply.

### 7.3 IRQ Resources

If you set "Resources Controlled By" for "Manual", you can modify the item. Press the <Enter> key, then manually set IRQ resources.

### 7.4 PCI/VGA Palette Snoop

If you use a non-standard VGA card, use this option to solve graphic acceleration card or MPEG audio card problems (e.g., colors not accurately displayed).

### 7.5 \*\*PCI Express relative items\*\*

#### Maximum ASPM supported

Control maximum level of ASPM supported on the given PCI Express links on the system.

#### 7.6 Maximum Payload Size

This option is used to maximum TLP payload size for PCI Express devices. The unit is byte.

## 8. PC Health Status



PC Health Status

### 8.1 Case Open Warning

This option is used to enable or disable case open warning function.

### 8.2 Shutdown Temperature

This item is used to set upper limitation of system temperature. When the temperature is higher than the setting values, the motherboard will automatically cut off the power of computer.

### 8.3 CPU Vcore/+1.8V/+3.3V/+5V/+12V

The current voltages will be automatically detected by the system.

## **Chapter 2 BIOS Description**

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### **8.4 CPU/System Temperature**

The CPU/System temperature will be automatically detected by the system.

### **8.5 CPU Fan Speed/System Fan Speed/NB FAN Speed**

The CPU/system/NB fan speed will be automatically detected by the system.

### **8.6 Smart Fan Control**

This item is used to enable or disable smart fan function.

### **8.7 PWM Start Temp[°C]**

This item is used to set beginning temperature. when temperature gets to this value, Smart Fan starts to take effect.

### **8.8 Start PWM Value[0~127]**

This item is used to set the beginning rotated speed for Smart Fan.

### **8.9 slope PWM Value**

This item is used to set the rotated speed level which Smart Fan varies with variational temperature. When temperature increase one degree, rotated speed raises the set level.

### **8.10 Delta Temp[°C]**

when "Smart Fan Control" is Enabled.This option can key in from 0 to 31.

## **9. Load Fail-safe Defaults**

This menu allows you to load defaults set by BIOS ,which have set the basic functions of system in order to ensure the stability of system.You can select <Y> or <N> and then press <Enter> to load or not load defaults.

## **10. Load Optimized Defaults**

This menu can let you load the optimized defaults set by BIOS, which have set the optimized performance parameters of system to improve the performances of system components.You can select <Y> or <N> and then press <Enter> to load or not load the optimized defaults.

## **11. Set Supervisor Password**

### **Set User Password**

The access rights and permissions associated with the Supervisor password are higher than those of a regular User password. The Supervisor password can be used to start the system or modify the CMOS settings. The User password can also start the system. While the User password can be used to view the current CMOS settings, these settings cannot be modified using the User password.When you select the Set Supervisor/User Password option, the following message will appear in the center of the screen, which will help you to set the password:

**Enter Password:**

## Chapter 2 BIOS Description

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Enter your password, not exceeding 8 characters, then press <Enter>. The password you entered will replace any previous password. When prompted, key in the new password and press <Enter>.

If you do not want to set a password, just press <Enter> when prompted to enter a password, and the following message will appear on the screen. If no password is keyed in, any user can enter the system and view/modify the CMOS settings.

**PASSWORD DISABLED!!!**

**Press any key to continue ...**

Under the menu “Advanced BIOS Features Setup”, if you select “System” from the Security Option, you will be prompted to enter a password once the system is started or whenever you want to enter the CMOS setting program. If the incorrect password is typed, you will not be permitted to continue.

Under the menu “Advanced BIOS Features Setup”, if you select “Setup” from the Security Option, you will be prompted to enter a password only when you enter the CMOS setting program.

### **12. Save & Exit Setup**

When you select this option and press <Enter>, the following message will appear in the center of the screen:

**SAVE to CMOS and EXIT (Y/N)?Y**

Press <Y> to save your changes in CMOS and exit the program; press <N> or <ESC> to return to the main menu.

### **13. Exit Without Saving**

If you select this option and press <Enter>, the following message will appear in the center of the screen:

**Quit Without Saving (Y/N)?Y**

Press <Y> to exit CMOS without saving your modifications; press <N> or <ESC> to return to the main menu.

# Chapter 3

This chapter will introduce how to use attached software.

This chapter provides the following information:

- ❖ FOX ONE
- ❖ FOX LiveUpdate
- ❖ FOX LOGO
- ❖ FOX DMI

# FOX ONE

FOX ONE is a powerful utility for easily modifying system settings. It also allows users to monitor various temperature values, voltage values, frequency and fan speed at any time.

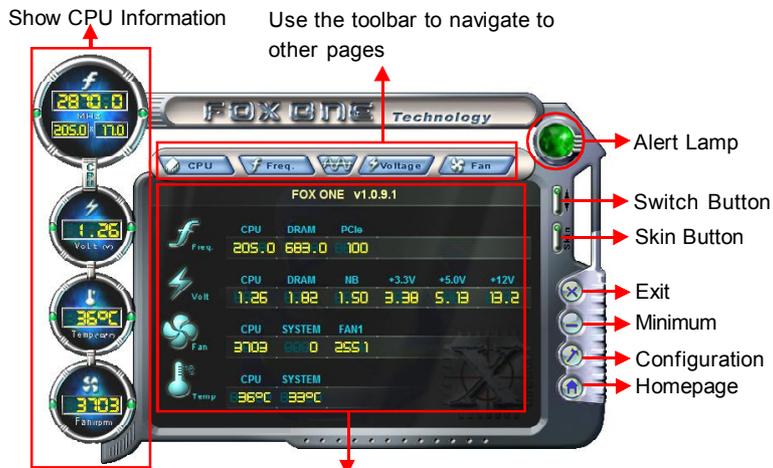
With FOX ONE, you can modify system performance settings such as bus speed, CPU voltage, fan speed, and other system performance options that are supported by the BIOS and you also can monitor hardware temperature, voltage, frequency and fan speed.

Supported Operating Systems:

- Windows 2000
- Windows XP (32-bit and 64-bit)
- Windows 2003 (32-bit and 64-bit)
- Windows Vista (32-bit and 64-bit)

## Using FOX ONE:

### 1. Main Page



#### Alert Lamp

Monitor Frequency/Voltage/Fan speed/Temperature value

When the system is in healthy status, the alert lamp color is green. And if the system is in abnormal status, the alert lamp color will turn red.

#### Switch Button

Click this button, it will simplify the interface to HW monitor information bar as the below figure shows. The bar could help you to monitor if your system is in the healthy status at any time.

## Chapter 3 Directions for Bundled Software



Click here to return to previous status

### Skin Button

Click this button, you will see the additive figures such as “crystal” and “rock”. Please select your favorite skin.

### Exit

Click this button to exit the program.

### Minimum

Click this button to minimize the window.

### Configuration

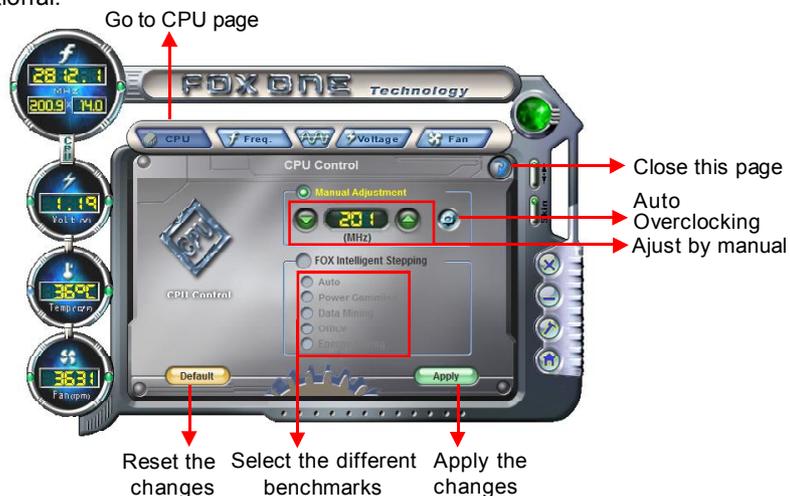
This function is used to configurate the parameters for the program. It determines which items will be shown in simple mode. Besides, it also provides F.I.S calibration function which will re-calibrate the CPU's loading. F.I.S calibration function is optional.

### Homepage

Click this button to visit FOXCONN motherboard website.

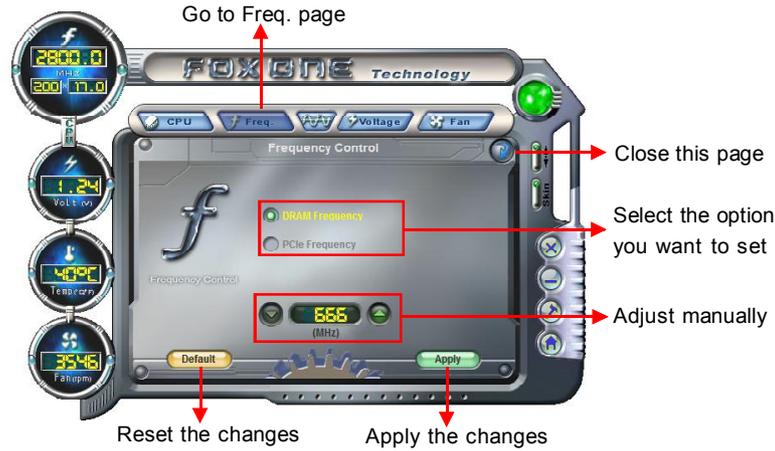
## 2. CPU Page - CPU Control

This page is used to select and run the CPU frequency to determine the current performance level of the system. You can adjust manually or select “Auto Overclock”. Otherwise, it also provides FOX Intelligent Stepping, But this function is optional.



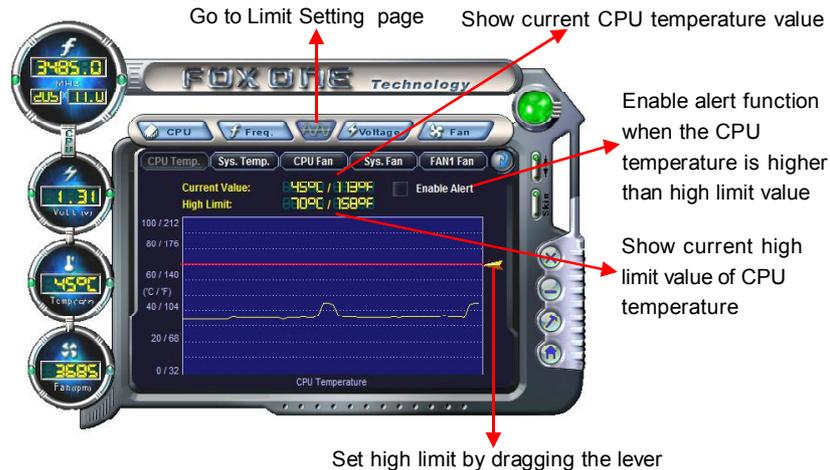
### 3. Freq. Page - Frequency Control

In this page ,you can set memory and PCI Express frequency manually.



### 4. Limit Setting - Adjust page

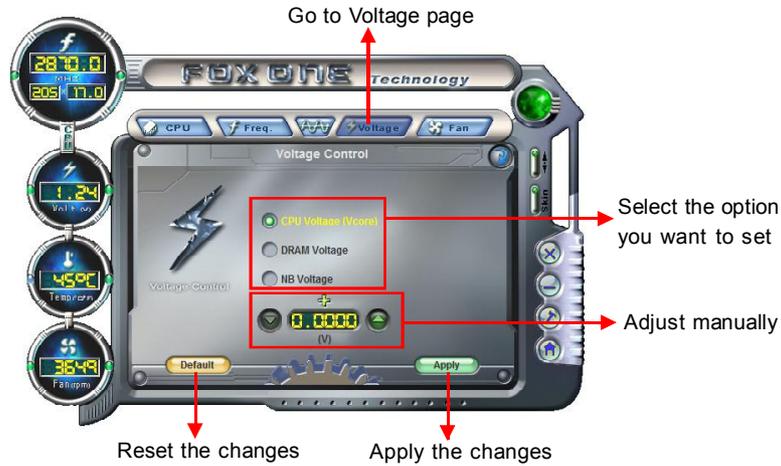
This page includes five different sections. "CPU Temp." and "Sys Temp." will help you to set high limit temperature. "CPU Fan", "Sys. Fan" and "FAN1 fan" are used to set low limit rpm. And all of them have alert function.



### 5. Voltage Page - Voltage Control

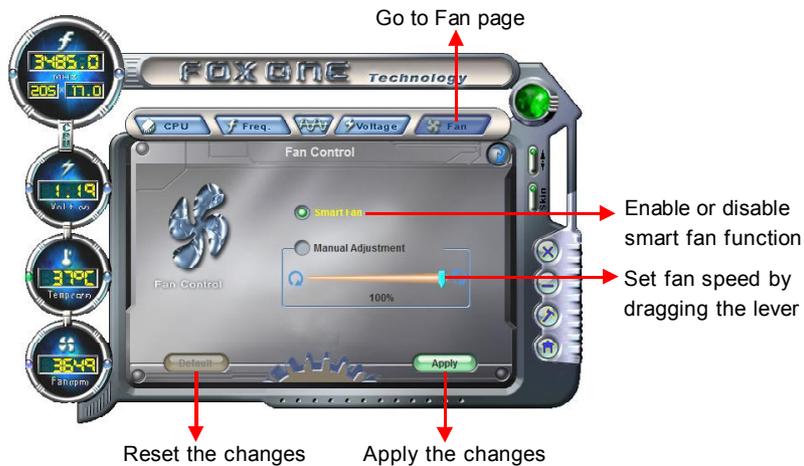
This page allows you to set CPU, memory and North Bridge voltage manually.

## Chapter 3 Directions for Bundled Software



### 6. Fan Page - Fan Control

This page allows you to enable Smart Fan function and set fan speed manually.



## FOX LiveUpdate

FOX LiveUpdate is a useful utility to backup and update the system BIOS online or locally. Drivers and utilities are also can be updated online.

Supported Operating Systems:

-Windows 2000

-Windows XP (32-bit and 64-bit)

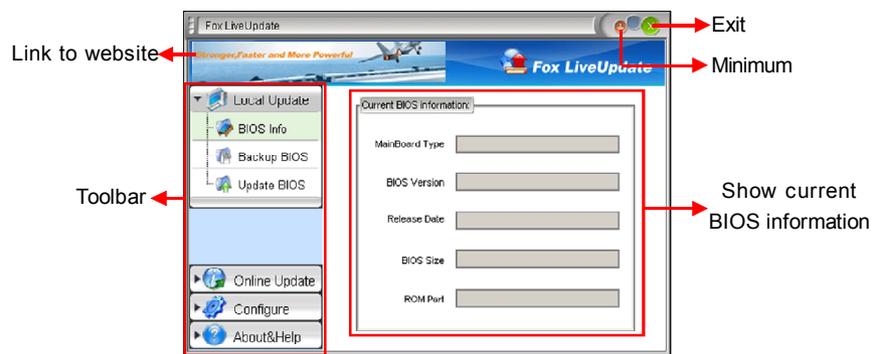
-Windows 2003 (32-bit and 64-bit)

-Windows Vista (32-bit and 64-bit)

### Using FOX LiveUpdate:

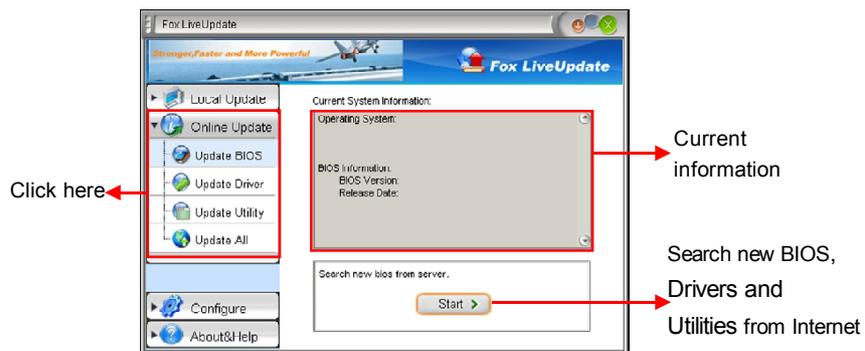
#### 1. Local Update

“**BIOS Info**” tells you the system BIOS information; “**Backup BIOS**” could backup your system BIOS ,please click this button ,then key in a BIOS name and save it ; “**Update BIOS**” helps to update your system BIOS from local BIOS files ,please follow the wizard to finish the operation.



#### 2. Online Update

This area lets you update your system BIOS, Drivers, Utilities and all of them from Internet. Click “start”, it will search the new BIOS ,Drivers and Utilities from Internet. Then follow the wizard to finish the update operation.

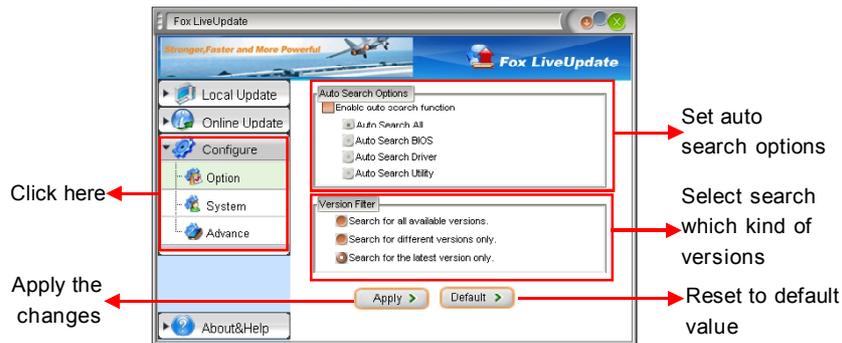


#### 3. Configure

“**Option**” provides auto search options and version filter. After setting the auto search options, the utility will work in the background and the related information will show in a pop balloon notification;

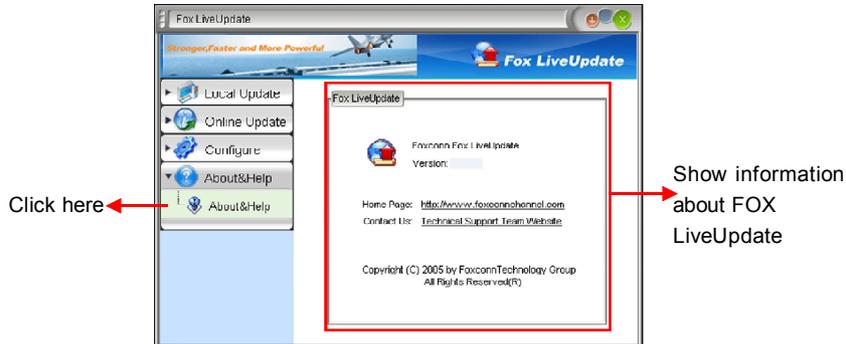
## Chapter 3 Directions for Bundled Software

Click the “System” button, you can set the backup BIOS location and change different skin of the utility; “Advance” helps you to flash BIOS, Boot Block and clear CMOS, we recommend that you keep the default setting unchanged to avoid damage.



### 4. About & Help

This page shows some information about FOX LiveUpdate.



## FOX LOGO

FOX LOGO is a simple and useful utility to backup, change and delete the boot Logo. The boot Logo is the image that appears on screen during the Power-On Self-Tests (POST).

Supported Operating Systems:

- Windows 2000
- Windows XP (32-bit and 64-bit)
- Windows 2003 (32-bit and 64-bit)
- Windows Vista (32-bit and 64-bit)

**Using FOX LOGO:**

## Chapter 3 Directions for Bundled Software

### Main Page



#### Warning:

When you change Logo or delete the current Logo, the system will flash BIOS file automatically. During this time, please DO NOT shut down the application and the system, or the motherboard will be damaged seriously.

## FOX DMI

FOX DMI is a full DMI information viewer, and it supports three kinds of DMI Data format :Report , Data Fields and memory Dump.

Supported Operating Systems:

- Windows 2000
- Windows XP (32-bit and 64-bit)
- Windows 2003 (32-bit and 64-bit)
- Windows Vista (32-bit and 64-bit)

### Using FOX DMI:

Please operate this utility as the comments shows .

