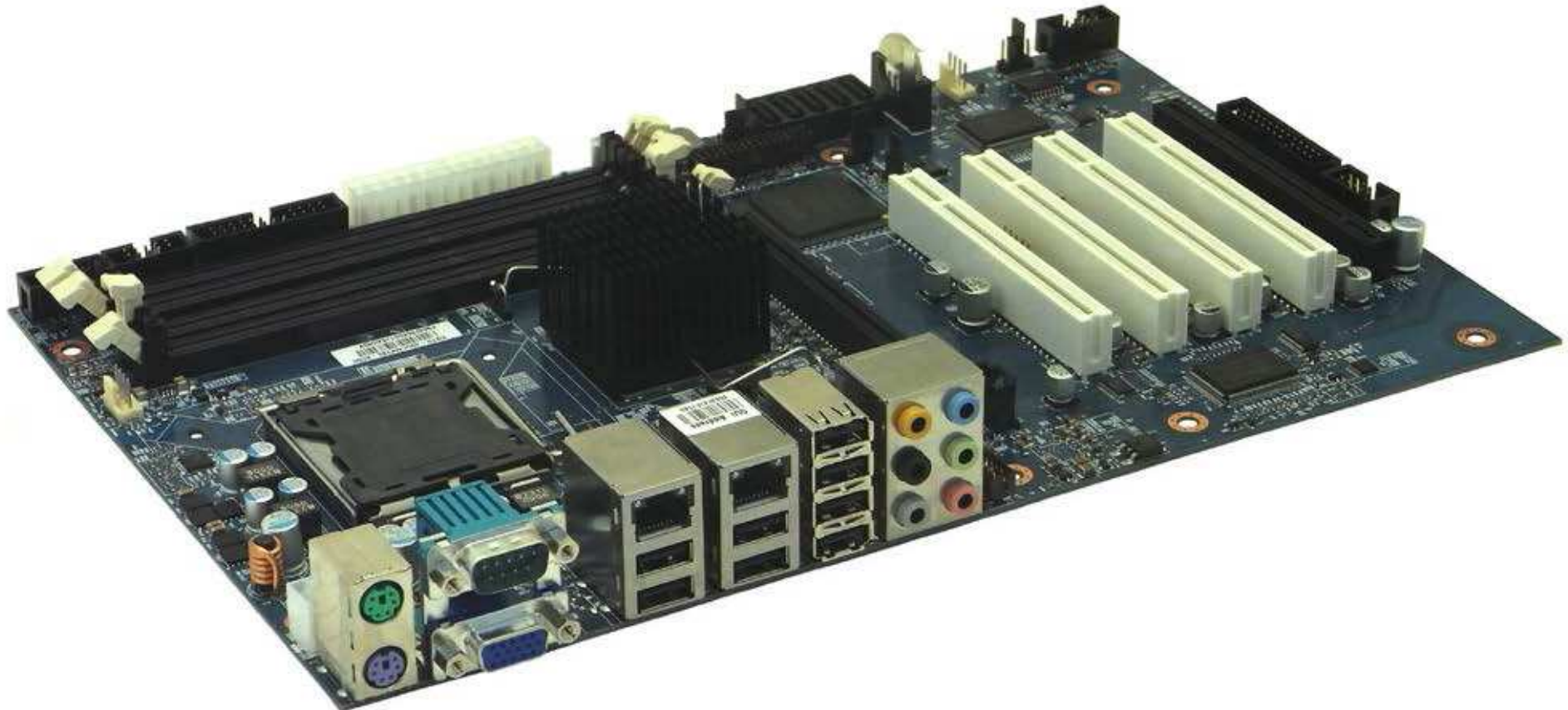


KTQ45- BIOS



BIOS SETUP UTILITY

Main Advanced PCIPnP Boot Security Chipset Exit

System Overview

AMIBIOS

Version : 08.00.15
Build Date: 08/25/09
ID : KTQ45004
PCB ID : B1
Serial # : 00923701
Part # : 62220000

Processor

Intel(R) Core(TM)2 Quad CPU Q9550 @ 2.83GHz
Speed : 2833MHz

System Memory

Size : 3198MB

System Time [11:37:56]
System Date [Wed 02/02/2011]

Use [ENTER], [TAB]
or [SHIFT-TAB] to
select a field.

Use [+] or [-] to
configure system Time.

- ↔ Select Screen
- ↑↓ Select Item
- + - Change Field
- Tab Select Field
- F1 General Help
- F10 Save and Exit
- ESC Exit

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BIOS SETUP UTILITY

Main **Advanced** PCIPnP Boot Security Chipset Exit

Advanced Settings

WARNING: Setting wrong values in below sections
may cause system to malfunction.

- ▶ CPU Configuration
- ▶ IDE Configuration
- ▶ LAN Configuration
- ▶ SuperIO Configuration
- ▶ Hardware Health Configuration
- ▶ Voltage Monitor
- ▶ ACPI Configuration
- ▶ Intel AMT Configuration
- ▶ Remote Access Configuration
- ▶ Trusted Computing
- ▶ USB Configuration

Configure CPU.

↔ Select Screen
↑↓ Select Item
Enter Go to Sub Screen
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Advanced

Configure advanced CPU settings
Module Version:3F.14

Disabled for WindowsXP

Manufacturer: Intel
Intel(R) Core(TM)2 Quad CPU Q9550 @ 2.83GHz
Frequency : 2.83GHz
FSB Speed : 1332MHz
Cache L1 : 128 KB
Cache L2 : 12288 KB
Ratio Actual Value: 8.5

Max CPUID Value Limit [Disabled]
Intel(R) Virtualization Tech [Enabled]
Execute-Disable Bit Capability [Enabled]
Core Multi-Processing [Enabled]
PECI [Enabled]
Intel(R) SpeedStep(tm) tech [Disabled]
Intel(R) C-STATE tech [Disabled]

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Advanced

IDE Configuration

Mirrored IDE Configuration [Disabled]
Configure SATA#1 as [SATA]

- ▶ Primary IDE Master : [Hard Disk]
- ▶ Primary IDE Slave : [Not Detected]
- ▶ Secondary IDE Master : [ATAPI CDROM]
- ▶ Secondary IDE Slave : [Not Detected]
- ▶ Third IDE Master : [Not Detected]

Hard Disk Write Protect [Disabled]
IDE Detect Time Out (Sec) [35]

Sata BIOS Extension [Enabled]
▶ AHCI Configuration

Options

SATA
RAID
AHCI

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Advanced

Primary IDE Master

Device :Hard Disk
Vendor :WDC WD1003FBYX-01Y7B0
Size :1000.2GBWDC WD1003FBYX-01Y7B0
LBA Mode :Supported
Block Mode:16Sectors
PIO Mode :4
Async DMA :MultiWord DMA-2
Ultra DMA :Ultra DMA-6
S.M.A.R.T.:Supported

Type	[Auto]
LBA/Large Mode	[Auto]
Block (Multi-Sector Transfer)	[Auto]
PIO Mode	[Auto]
DMA Mode	[Auto]
S.M.A.R.T.	[Auto]
32Bit Data Transfer	[Enabled]

Select the type
of device connected
to the system.

←→	Select Screen
↑↓	Select Item
+ -	Change Option
F1	General Help
F10	Save and Exit
ESC	Exit

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Advanced

LAN Configuration

ETH1 Configuration (Right) [With RPL/PXE boot]

MAC Address & Link status : 00E0F42337B0 +

ETH2 Configuration (Left) [With RPL/PXE boot]

MAC Address & Link status : 00E0F42337B1 -

Control of Ethernet
Devices and PXE boot

- ↔ Select Screen
- ↑↓ Select Item
- + - Change Option
- F1 General Help
- F10 Save and Exit
- ESC Exit

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BIOS SETUP UTILITY

Advanced

Configure Win627DHG Super IO Chipset

Serial Port1 Address	[3F8/IRQ4]
Serial Port2 Address	[Disabled]
Parallel Port Address	[Disabled]
Serial Port3 Address	[Disabled]
RS485 Port Address	[Disabled]

Allows BIOS to Select Serial Port1 Base Addresses.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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Advanced

Hardware Health Configuration

System Temperature :27°C/80°F
 CPU Temperature :48°C/118°F
 UTIN Temperature :29°C/84°F

SYSFAN Speed :Fail
 Fan Cruise Control [Disabled]
 Fan Type [4 Wire]

CPU FAN Speed :Fail
 Fan Cruise Control [Thermal]
 Fan Setting [51°C/123°F]
 Fan Type [4 Wire]

AUXFAN Speed :Fail
 Fan Cruise Control [Disabled]

Fan Step Time [2]

Watchdog Function [Disabled]

Disabled = Full speed.

Thermal: does regulate fan speed according to specified temperature

Speed: does regulate according to specified RPM.

↔ Select Screen
 ↑↓ Select Item
 +- Change Option
 F1 General Help
 F10 Save and Exit
 ESC Exit

BIOS SETUP UTILITY

Advanced

ACPI Settings

Suspend mode	[S3 (STR)]
Repost Video on S3 Resume	[No]
ACPI Version Features	[ACPI v2.0]
PS/2 Kbd/Mouse S4/S5 Wake	[Disabled]
Keyboard Wake Hotkey	[Any key]
USB Device Wakeup From S3/S4	[Enabled]

Select the ACPI state used for System Suspend.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Advanced

Configure Intel AMT Parameters

Intel AMT Support [Disabled]

Options

Disabled
Enabled

↔ Select Screen
↑↓ Select Item
←→ Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Advanced

Configure Remote Access type and parameters

Remote Access [Disabled]

Select Remote Access type.

- ←→ Select Screen
- ↑↓ Select Item
- + - Change Option
- F1 General Help
- F10 Save and Exit
- ESC Exit

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BIOS SETUP UTILITY

Advanced

Trusted Computing

TCG/TPM SUPPORT [No]

Enable/Disable TPM
TCG (TPM 1.1/1.2) supp
in BIOS

- ↔ Select Screen
- ↑↓ Select Item
- + - Change Option
- F1 General Help
- F10 Save and Exit
- ESC Exit

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BIOS SETUP UTILITY

Advanced

USB Configuration

Module Version - 2.24.5-13.4

USB Devices Enabled :
1 Keyboard, 1 Mouse

Legacy USB Support [Enabled]
USB 2.0 Controller Mode [HiSpeed]

Enables support for legacy USB. AUTO option disables legacy support if no USB devices are connected.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Main Advanced **PCIPnP** Boot Security Chipset Exit

Advanced PCI/PnP Settings

WARNING: Setting wrong values in below sections
may cause system to malfunction.

Allocate IRQ to PCI VGA [Yes]
Palette Snooping [Disabled]

YES: Assigns IRQ to
PCI VGA card if card
requests IRQ.
NO: Does not assign
IRQ to PCI VGA card
even if card requests
an IRQ.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

BIOS SETUP UTILITY

Main Advanced PCIPnP **Boot** Security Chipset Exit

Boot Settings

▶ Boot Settings Configuration

▶ Boot Device Priority

Configure Settings
during System Boot.

↔ Select Screen
↑↓ Select Item
Enter Go to Sub Screen
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Boot

Boot Settings Configuration

Quick Boot	[Enabled]
Quiet Boot	[Disabled]
AddOn ROM Display Mode	[Force BIOS]
Bootup Num-Lock	[On]
PS/2 Mouse Support	[Auto]
Wait For 'F1' If Error	[Enabled]
Hit 'DEL' Message Display	[Enabled]
Interrupt 19 Capture	[Disabled]
Force boot Device	[Disabled]

Allows BIOS to skip certain tests while booting. This will decrease the time needed to boot the system.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

BIOS SETUP UTILITY

Boot

Boot Device Priority

1st Boot Device	[SM-Optiarc DVD RW]
2nd Boot Device	[PM-WDC WD1003FBYX-]
3rd Boot Device	[Intel Boot Agent]

Specifies the boot sequence from the available devices.

A device enclosed in parenthesis has been disabled in the corresponding type menu.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

BIOS SETUP UTILITY

Main Advanced PCIPnP Boot **Security** Chipset Exit

Security Settings

Supervisor Password :Not Installed
User Password :Not Installed

Change Supervisor Password
Change User Password

Install or Change the password.

←→ Select Screen
↑↓ Select Item
Enter Change
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Main Advanced PCIPnP Boot Security **Chipset** Exit

Advanced Chipset Settings

WARNING: Setting wrong values in below sections may cause system to malfunction.

- ▶ North Bridge Configuration
- ▶ South Bridge Configuration
- ▶ ME Subsystem Configuration
- ▶ UE Subsystem Configuration
- ▶ Spread spectrum control

Configure North Bridge features.

↔ Select Screen
↑↓ Select Item
Enter Go to Sub Screen
F1 General Help
F10 Save and Exit
ESC Exit

BIOS SETUP UTILITY

Chipset

North Bridge Chipset Configuration

Memory Remap Feature [Disabled]

PCI MMIO Allocation: 4GB To 3328MB

Memory Hole [Disabled]

Initial Graphic Adapter [PEG/IGD]

IGD Graphics Mode Select [Enabled, 128MB]

PEG Port Configuration

▶ Video Function Configuration

ENABLE: Allow remapping of overlapped PCI memory above the total physical memory.

DISABLE: Do not allow remapping of memory.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Chipset

Video Function Configuration

DUMT Mode Select	[Fixed Mode]
DUMT/FIXED Memory	[256MB]
Flat Panel Type	[Type 3]
Backlight Control Support	[VBIOS-Default]
BIA Control	[VBIOS-Default]
TV Standard	[VBIOS-Default]
Spread Spectrum Clock	[Disabled]
Boot Display Preferences	[Auto]

Options

Fixed Mode
DUMT Mode

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Chipset

South Bridge Chipset Configuration

USB Functions	[12 USB Ports]
USB Port Configure	[6X6 USB Ports]
USB 2.0 Controller	[Enabled]
HDA Controller	[Enabled]
Audio Jack Sensing	[Auto]
SMBUS Controller	[Enabled]
Restore on AC Power Loss	[Last State]

Options

Disabled
2 USB Ports
4 USB Ports
6 USB Ports
8 USB Ports
10 USB Ports
12 USB Ports

←→ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Chipset

ME Subsystem Configuration

BootBlock HECI Message [Enabled]
HECI Message [Enabled]
End Of Post S5 HECI Message [Enabled]

ME HECI Configuration

ME-HECI [Disabled]
ME-IDER [Disabled]
ME-KT [Disabled]

Options

Disabled
Enabled

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Chipset

UE Subsystem Configuration

UE-UEFI [Disabled]
Unhide All Physical HC [Enabled]

Enable/Disable UEFI Messaging.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Chipset

Clock Synthesizer Setting

PLL1 spread : [Disabled]
CLK & 27M_SS spread : [Disabled]

Options

Disabled
Enabled

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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BIOS SETUP UTILITY

Main Advanced PCIPnP Boot Security Chipset **Exit**

Exit Options

Save Changes and Exit
Discard Changes and Exit
Discard Changes

Load Optimal Defaults
Load Failsafe Defaults

Halt on invalid Time/Date [Disabled]
Secure CMOS [Enabled]

Enable will store current CMOS in non volatile ram. This will maintain the settings even if battery is failing.

↔ Select Screen
↑↓ Select Item
+- Change Option
F1 General Help
F10 Save and Exit
ESC Exit

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