Introduction
The BIOS (Basic Input and Output System) Setup Utility shows the system’s configuration status and provides you with options to set system parameters.

The BIOS Setup Utility enables you to configure:
- Hard drivers boot priority
- Video display type and display options
- Integrated peripherals configuration
- Power management
- Security password protection

Starting Setup
Enter Setup
When switch on the WBT, press <F12> key during the beginning of the boot sequence to enter the BIOS setup menu. If one missed the BIOS setup entry point, one can restart the WBT by pressing <Ctrl> + <Alt> + <Del> keys, or by pressing the power button and try again. After one pressing <F12> key, the main menu screen appears as below:

Setup Keys
- Up Arrow: Move to the previous item.
- Down Arrow: Move to the next item.
- Left Arrow: Move to the item in the left side.
- Right Arrow: Move to the item right side.
- Enter: Select the item.
- Escape: Jumps to the Exit menu or returns to the main menu from a submenu.
- Page Up / +: Increase the numeric value or make changes.
Page Down / -: Decrease the numeric value or make changes.
F1: General help, only for Status Page Setup Menu and Option Page Setup Menu.
F5: Restore the previous CMOS value from CMOS, only for Option Page Setup Menu.
F7: Load optimized defaults.
F10: Save all the CMOS changes and exit.

Main Menu
Setup Items
Standard CMOS Features
In the Standard CMOS Features menu, one can set the system clock, calendar, and configure the disk drive parameters. The standard CMOS features screen appears as below:

Data
The date format is <day>, <date> <month> <year>. The default date is Sun, Jan 1 2006.

Time
The time format is <hour> <minute> <second>. The time is calculated based on the 24-hour military-time clock. The default time is 0:0:0.

IDE Device
This PRO1000 is implemented with two IDE channels (Primary and Secondary) and each channel can be installed with one or two devices (Master and Slave). Use these items to configure each device on the IDE channel. Press <Enter> to
display the IDE submenu screen. Please refer to the picture as below:

- **IDE HDD Auto-Detection**
  Use this item to detect and configure IDE HDD on the IDE channel automatically.

- **IDE Channel 0 Master, slave**
  Use these items to determine what method to detect and configure the IDE devices on the channel. The default value is “Auto”.
  - [None] Disable the system to detect and configure IDE devices on the channel during POST.
  - [Auto] Enable the system to automatically detect and configure IDE devices on the channel during POST.
  - [Manual] Enable the system to manually configure the drive by entering the characteristics of the drive.

- **Access Mode**
  Use this item to determine the access mode for the IDE hard disks. The default value is “Auto”.
  - [CHS] Use CHS mode to access the IDE hard disk.
  - [LBA] Use LBA mode to access the IDE hard disk.
  - [Large] Use Large mode to access the IDE hard disk.
  - [Auto] Enable the system to automatically detect and determine the access mode.

- **Base Memory/Extended Memory/Total Memory**
  These items are automatically detected by the WBT at start up time. These are display only fields.
Advanced BIOS Features

In the Advanced BIOS Features menu, one can set the disk driver priority, and set the screen logo function. The Advanced BIOS Features screen appears as below:

- **Hard Disk Boot Priority**
  Use this item to select the hard disks boot priority.

- **First Boot Device**
  Use this item to select the device to boot first. The default value is “Hard Disk”.
  - [LS120] Select your boot device priority by LS120.
  - [Hard Disk] Select your boot device priority by Hard Disk.
  - [CDROM] Select your boot device priority by CDROM.
  - [ZIP100] Select your boot device priority by ZIP100.
  - [USB-FDD] Select your boot device priority by USB-FDD.
  - [USB-ZIP] Select your boot device priority by USB-ZIP.
  - [USB-CDROM] Select your boot device priority by USB-CDROM.
  - [Legacy LAN] Select your boot device priority by Legacy LAN.
  - [VIA BootAgent] Select your boot device priority by VIA BootAgent.
  - [Disabled] Disable this function.

- **Second Boot Device**
  Use this item to select the device to boot second. The default value is “CDROM”.

- **Third Boot Device**
  Use this item to select the device to boot third. The default value is “Legacy
LAN”.

- **Boot Up NumLock Status**
  Use this item to determine the default status of the numeric keypad. The default value is “OFF”.
  [Off] Set the numeric keypad is arrow keys.
  [On] Set the numeric keypad is number keys.

- **Full Screen LOGO Show**
  Use this item to show the full screen logo during BIOS boot up process. The default value is “Disabled”.
  [Disabled] Disable this function.
  [Enabled] Show the full screen logo during BIOS boot up process.

- **Advanced Chipset Features**
  In the Advanced Chipset Features menu, one can set the display parameter. The Advanced Chipset Features screen appears as below:

  ![Advanced Chipset Features Screen](image)

  - **VGA Share Memory Size**
    Use this item to select VGA share memory size. The default value is “32M”.
    [16M] Set the VGA share memory size is 16MB.
    [32M] Set the VGA share memory size is 32MB.
    [64M] Set the VGA share memory size is 64MB.

  - **Select Display Device**
    Use this item to select the type of display. The PRO1000 only supports the “CRT”.
Integrated Peripherals

In the Integrated Peripherals menu, one can define the operation of peripheral components on the PRO1000 input/output ports. The Integrated Peripherals screen appears as below:

- **OnChip IDE Channel0**
  Use this item to enable or disable the first IDE interface function. The default value is “Enabled”.
  - [Disabled] Disable this function.
  - [Enabled] Enable the IDE Channel 0 function.

- **VIA-3058 AC97 Audio**
  Use this item to allow the main board to detect whether an audio device is used or it is disabled. The default value is “Auto”.
  - [Auto] Allow the main board to detect whether an audio device is used. If the device is detected, the onboard VIA Audio Codec’97 controller will be enabled.
  - [Disabled] Disable this function.

- **VIA-3043 OnChip LAN**
  Use this item to enable or disable the VIA onboard LAN function. The default value is “Enabled”.
  - [Enabled] Enable the VIA onboard LAN function.
  - [Disabled] Disable this function.

- **Onboard Lan Boot ROM**
  Use this item to enable or disable the booting from the onboard LAN or a
network add-in card with a remote boot ROM installed. The default is “Enabled”.
[Enabled] Enable the booting from the onboard LAN or a network add-in card with a remote boot ROM installed.
[Disabled] Disable this function.

- **OnChip USB Controller**
  Use this item to enable or disable the Universal Serial Bus function. The default value is “Enabled”.
  [Disabled] Disable this function.
  [Enabled] Enable the USB Function.

- **Onboard Serial Port 1**
  Use this item to select a logical COM port name and matching address for the first serial port. The default value is “3F8/IRQ4”.
  [Disabled] Disable this function.
  [3F8/IRQ4] Enable onboard serial port 1 and address is 3F8/IRQ4.
  [2F8/IRQ3] Enable onboard serial port 1 and address is 2F8/IRQ3.
  [2E8/IRQ3] Enable onboard serial port 1 and address is 2E8/IRQ3.
  [Auto] BIOS will automatically set the onboard serial port 1 address.

- **Onboard Serial Port 2**
  Use this item to select a logical COM port name and matching address for the second serial port. The default value is “2F8/IRQ3”.
  [Disabled] Disable this function.
  [3F8/IRQ4] Enable onboard serial port 2 and address is 3F8/IRQ4.
  [2F8/IRQ3] Enable onboard serial port 2 and address is 2F8/IRQ3.
  [2E8/IRQ3] Enable onboard serial port 2 and address is 2E8/IRQ3.
  [Auto] BIOS will automatically set the onboard serial port 2 addresses.

- **Onboard Parallel Port**
  Use this item to select a logical LPT port name and matching address for the physical parallel (pointer) port. The default value is “378/IRQ7”.
  [Disabled] Disable this function.
  [378/IRQ7] Enable onboard LPT and address is 378/IRQ7.
  [278/IRQ5] Enable onboard LPT and address is 278/IRQ5.

- **Power Management Setup**
  In the Power Management Setup menu, one can change the values of the chipset registers for the system power management. The Power Management Setup screen appears as below:

  ![Power Management Setup Screen](image)

  - **AC Loss Auto Restart**
    Use this item to define how the system will respond after the AC power loss during system operation. The default value is “OFF”.
    - [OFF] When the power returns after an AC power failure, the PRO1000 power remain off.
    - [On] When the power returns after an AC power failure, the PRO1000 power will be powered on automatically.
    - [Former-Sts] If the PRO1000 power is off when AC power failure occurs, it will remain off when the AC power returns. If the PRO1000 power is on when AC power failure occurs, it will be powered on automatically.

  - **PowerOn by PCI Card (WakeUp On LAN by RTL LAN)**
    Use this item to enable activity detected from any PCI cards to power up the system or resume from a suspended state. The default value is “Enabled”.
    - [Disabled] Disable this function.
    - [Enabled] Enable activity detected from any PCI cards to power up the system or resume from a suspended state.
    PS: This item will support PCB V.2.0 afterwards.

  - **WakeUp On LAN (WakeUp On LAN by VIA Phy)**
Use this item to enable or disable the PRO1000 to wake up by onboard LAN. The default value is “Enabled”.
[Disabled] Disable this function.
[Enabled] Enable the PRO1000 to wake up by onboard LAN.

➢ RTC Alarm Resume
Use this item to enable or disable the PRO1000 to wake up by Alarm. The default value is “Disabled”.
[Disabled] Disable this function.
[Enabled] Enable the PRO1000 to wake up by Alarm.

➢ Date (of Month)
Use this item to determine a specific day to wake up the PRO1000 when “RTC Alarm Resume” is enabled. When set to 0 for the day of the month, the alarm will power on the PRO1000 every day at the specific time. The default value is “0”.

➢ Resume Time (hh:mm:ss)
Use this item to determine a specific time to wake up the PRO1000 when “RTC Alarm Resume” is enabled. The default value is “0:0:0”.

◆ Load Optimized Defaults
Use this item to load BIOS default settings for optimal and high performance system operations.

◆ Set Supervisor Password
Use this item to set the supervisor password.

◆ Set User Password
Use this item to set the user password.

◆ Save & Exit Setup
Use this item to save the BIOS setting changes and exit setup.

◆ Exit Without Saving
Use this item to discard all bios setting changes and exit setup.
● **POST Beep**
  The only beep code indicates that a video error has occurred and the BIOS cannot initialize the video screen to display any additional information. This beep code consists of a single long beep followed by two short beeps.

● **Notifications**
  - Please load optimized defaults when one updates the BIOS and reboots the TK-3750 at the first time.

  - If one wants to use dual-screen function by another graphics adapter on the Windows XPe, one must enable "AGP" in the “Init Display First” item. After one booting up on the Windows XPe platform, go to "Display Properties" to configure the "Extend my windows desktop onto this monitor".

  - Password