

Quick Installation Guide

Rev: 1.1

G03-MQ2R2

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Introduction

Thank you for purchasing MagicTwin series barebone system.

The barebone system is a multi-user ready platform enabling the connection of two users to the system. With connectivity hardware onboard and the innovative software, the MagicTwin® series barebone system allows 2 users to be connected to it and runs up to two (2) stations with Windows session simultaneously from it. Each of the 2 users feels like having himself his own Windows-XP computer. Every user needs to have himself his own keyboard, mouse, sound device, and monitor. The remaining PC hardware will be shared, even the IP. All you need is a single MiniQ MagicTwin system with a minimum of 1.2 GHz or higher processor, 256MB of RAM (128MB per workstation/user) and dual VGA port (using a dual port AGP graphic card purchased separately from your dealer). You can add immediately additional user station to the single system and turn one PC into two.

The set up is intuitive and easy. In only a few minutes, users can install and start using their new workstation. No network administrator is needed as everything to network the workstations together is done automatically with the MagicTwin software. Please refer to the motherboard manual, MagicTwin XP manual and the electronic PDF manual included in the delivered CD for detail to configuration this MagicTwin 2-user system.

Features

- Onboard Connectivity Hardware for Connecting 2 Sets of Input/Output Devices
- MagicTwin Technology for 2 Users to Share One System
- Built-in LCM Display for PC Health Information
- Wireless Operation by Remote Control on Host (Optional)
- Ultra Compact in Small Footprint
- Feature-rich for Maximum Flexibility
- Aluminum Made for Light Weight and Heat Dissipation
- Structured for Better Airflow and Thermal
- Designed for Assembly / Upgrade / Service
- Value-add for Various Applications
- Complete Solution in a Cube

Advantage

Reduced TCO (Total Cost of Ownership)

- MagicTwin (technically) runs with only one single Windows-XP Installation and license.
- Two users operate simultaneously with single system and share the same processor, system memory, and so on through MagicTwin.
- No network administrator is needed as everything to network the two workstations is done automatically with the MagicTwin software. You need less software installation, service, maintenance and administration, which is the most expensive factor in computing.

Time-slicing / Multiplexing Technology for Simplicity and Efficiency

- No obvious delay because of the Time-slicing/Multiplexing technology built-in. Each user gets an exact and extremely short defined moment to access to the PC system, devices, applications and Windows itself. Resources are only claimed for nanoseconds at a time. Both users get from Windows and the PC, what they really need when they need it!

Minimal Hardware Requirement with Flexible Expandability

- A processor of 1,2GHz and 256MB of system memory are the minimum to start with. You can upgrade the hardware as time goes and availability comes abundant.

Front Panel

Please refer to the following and select the one that matches the delivered barebone system for function and feature of various parts.



Back Panel

Please refer to the following and select the one that matches the delivered barebone system for function and feature of various parts.



Remote Control

The remote control unit is an optional item for the MiniQ barebone system. Only certain models are equipped with the remote control. Refer to the Check List included in the package for detail. It comes with a friendly user interface upon powering up the system for direct web browsing, email accessing, CD playing, and video playing with a touch of the button. Also reserved are 8 programmable keys for user self defined access. It is a 31-key design with track ball built-in.

Note: This remote control can be used only on one station, namely the host PC.



Remote Control



remoQ Menu UI



remoQ Config UI

The function of all the buttons are detailed as below. The 8 reserved programmable buttons are marked as C1, C2, C3, C4, C5, C6, C7 and C8. You can use the Config UI to configure those buttons as what you need.

 **Power**

This key will let you boot up the system from stand-by mode and lead you through to Windows, and close the Windows. (Please enable “keyboard power on password as P”

 **Menu**

This key lets you go to the main menu screen. Move the cursor to the desired selection to activate the function.

 **Config**

This key let you to configure reserved C1 to C9 keys as personalized Internet web pages, such as shopping, news, radio, stock, and so on. Pressing the key will activate the Config screen. Just move the cursor to the reserved C1 to C9 to set the web pages.

 **E-Mail**

This key will launch the default mail application installed on your system. If there is no response after you press this key, check the default mail application by selecting the **Internet option** applet from the control panel.

 **Internet**

This key will launch the default Internet Browser.
The browser will go to the home page set for the browser.

 **Zoom**

This key will let you zoom in and out the cursor vicinity screen or activate the application built-in scale feature. It is arranged in rotating order of zoom in and zoom out.

 **My Favorite**

Open My Favorite after entering Internet browser application.

 **Scroll Up**

This key will let you scroll up the screen.

 **Scroll Down**

This key will let you scroll down the screen.

 **Next Page**

This key will bring you to the next Internet pages accessed before.

 **Previous Page**

This key will bring you back to the previous pages accessed before.

 **Track Ball**

This track ball built-in let you move the cursor around just by rolling the ball. You can drag the cursor or selected area by pressing and holding the track ball down in position. It works as Mouse.

 **L**

This key works as left button on mouse.

 **R**

This key works as right button on mouse.

 **Enter**

This is Enter key.

 **Media**

Select CD, VCD or DVD and multimedia driver.

 **Play / Pause**

Start to play CD title, continue playing the tile, or pause the current play status.

**Stop**

Stop playing and return to the beginning position of the track.

**Next track**

Skip the current track and go to the beginning position of the next track. If the current track is the last track, this button will lead you to the first track.

**Previous track**

Skip the current track and go to the beginning position of the previous track. If the current track is the first track, this button will lead you to the last track.

**Mute**

Toggle the sound mute or not mute.

**Volume up**

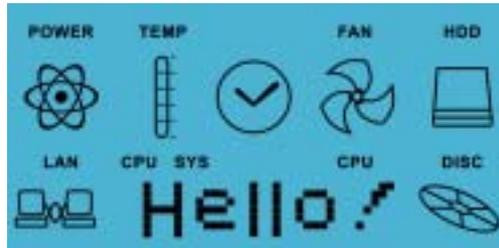
Increase the main volume of the sound.

Volume down

Decrease the main volume of the sound.

LCM Display

There are two type of front panels. Certain models come equipped with LCM display on the front bezel. Please check specifications. The LCM screen provides you with the system health information (CPU temperature, system temperature, and CPU fan speed), time, power indication, HDD activity, LAN activity, and optical device activity in graphic. The temperature (°C) and fan speed (rpm) displayed are real-time fetched from the system through I²C bus. The information is intended to provide you with the up-to-date system health for your easy monitoring of system status.



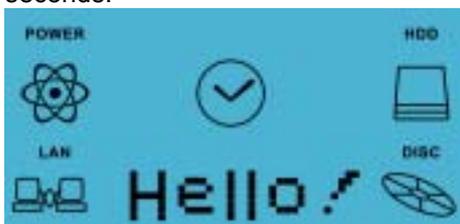
Setting the LCM Display



Right LCM Adjust Button

Left LCM Adjust Button

Upon power-on the system LCM display will come up with a welcome message “Hello!” for three seconds.



The display will then resume to Always-on display mode. Under this mode you will see power indication, HDD activity, LAN activity, optical device activity, and time on screen.



The LAN activity icon will blink when the network is accessed, The DISC activity icon will blink when the optical device is accessed. The HDD activity icon will blink when the hard disk is accessed.



LAN Activity Display



Optical Device Activity Display



HDD Activity Display

Right Button - select display mode clockwise, CPU TEMP → SYS TEMP → FAN rpm → TIME
 Left Button - select display mode counter-clockwise, FAN rpm → SYS TEMP → CPU TEMP → TIME



CPU TEMP Mode



SYS TEMP Mode



CPU FAN rpm Mode

The LCM display will resume to the always-on display after 1 minute of display of CPU temperature, SYS temperature and CPU FAN rpm mode.

Clock Adjustment – press both left and right button simultaneously to enter into clock adjustment mode when in TIME mode. The time displayed is in 24-hour system as in “hh:mm” format. You will see “hh” blinking when entering the clock adjusting mode. Press the right button to adjust the “hh” hour time upward. Press the left button to confirm the hour time adjustment. You will be switched to the “mm” minute time adjustment mode in the same time. Adjust and confirm the 1st digit and the 2nd digit in turn the same way as above. When it is completed the screen will resume to always-on display mode.

System Requirements and Recommendations

We strongly urge that the following system requirements are met. Every MagicTwin system needs two VGA-ports. You can purchase the dual head AGP VGA card separately from your dealer.

User Type Application	Standard User	Power User	Multimedia User
	Office, Internet, Email SOHO Application max. 3 simultaneous	Database, DTP- and Graphic –Applications 10 applications	Sound, Movies/MPEGs Graphic Applications
Processor	>= 1.2 GHz	>= 1.2 GHz	>=1.2 GHz
RAM	min. 256MB	min. 384MB	min. 512MB
VGA Port	NVIDIA Dual Head AGP VGA Card (Purchased Separately)*		
OS	Windows XP Home or Professional Edition with Service Pack 1		

* You do not need to purchase separately a dual head VGA card if your system is equipped with motherboard of NVIDIA nForce2 integrated graphic chipset. Please refer to MagicTwin Hardware Installation section of MagicTwin XP manual for detail.

Preparation for Installation

The Quick Installation Guide is intended to provide you with the basic information regarding the barebone system and help you complete the installation successfully. Upon receiving the system, please first check the package and the content.

Package Content

Bare-bone System Unit

Accessory Box

- Power Cord
- Driver CD
- Manual
- Screw Set and Cable Set
- Cable Set

CPU Cooler Set (inside of case)

Remote Control (Optional)

Before You Start

The voltage of PSU (power supply unit) is either 220V or 110V, without switch. Make sure the power supply voltage is matching your AC power input before plugging the power cord.

Hardware Installation

First, loosen the three thumbscrews from the rear of the system unit to remove the top cover. Hold both sides of the top cover, push the back panel, and lift upward to open the case. Please follow the installation procedure and sequence described in this guide for smooth assembly.



Installing DIMM Module

To install the memory module, first open the two locking levers on the DIMM socket. Align the DIMM to the socket and push vertically down firmly from the top edge of the DIMM. Click back the locking levers toward the DIMM. The DIMM module can only fit in one direction according to the keyed notch.



Installing CPU

Push the CPU socket lever sideways out and lift up to 90° angle.

Locate Pin 1 on the socket and align cut edge of the CPU to it. Insert the CPU onto the socket, press the CPU from top evenly by hand, and pull back the CPU socket lever to lock the CPU in position. Apply thermal tape (recommended) or thermal paste to provide better heat conduction between CPU and heatsink. Make sure the heatsink is in good contact with CPU to avoid over-heat or damage. Please use an Intel or AMD approved CPU cooling system. Connect the CPU fan power cable to fan connector on motherboard. Plug the cooling system (heatsink and cooling fan) to the CPU retention module in correct direction. Follow the instructions and precautions from CPU, heatsink and cooling fan to complete the installation.



P4 Socket 478



Socket A

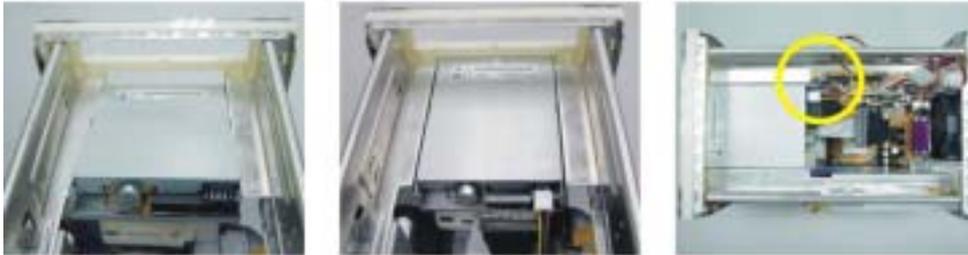
Installing Hard Disk Drive

Loosen screw and pull out the HDD bracket from its rail. Place HDD onto the correct position on the bracket and screw to fix the HDD. Slide back the bracket with HDD on to its rail and tighten the screw. Connect HDD cable from IDE1 connector on motherboard to HDD. The HDD cable comes with three connectors. Always use the first two connectors for the first HDD connection. Make sure the red stripe of the cable is aligned to the pin 1 of connector. Insert firmly to insure the contact. (If Serial ATA is supported on the motherboard, just connect the Serial ATA cable come packaged with the accessory box to HDD and motherboard). Connect power cable to power connector on HDD.



Installing 3.5" Device

Hold the 3.5" device from the back and place it down from the top of the case to fit in the position with device bezel down for smooth operation. Lower the tail part that you are holding to level and push forward to align the mounting holes on 3.5" device with the case mounting holes. Screw to fix it in place. Connect FDD cable from FDD1 connector on motherboard to FDD. Make sure the red stripe of the cable is aligned to pin 1 of connector. Insert firmly to insure the contact. Connect the small 4-pin power connector to the FDD. (Refer to the instruction of the respective device if other 3.5" device is installed).



Installing 5.25" IDE Optical Device

Hold the optical device from the back and place it down from the top of the case with device bezel tilting down to contact the 5.25" cavity. Lower the tail part that you are holding to level and push forward to align the mounting holes of optical device with case mounting holes. Tighten the screw to fix the device in place. You might need to adjust forward or backward to locate the appropriate horizontal position of the optical device. (Please refer to Important Notice section). Connect IDE cable from IDE2 connector on motherboard to optical device. Make sure the red stripe of the cable is aligned to Pin 1 of connector. Insert firmly to insure the contact. Locate the cable clip on the outside on HDD bracket and clip the IDE cable onto it. Connect power cable to the device.



Installing Expansion Card

Remove the expansion card bracket on the back of the case by unscrewing the bracket holding plate on top of it. Plug in the expansion card vertically down firmly to its end position. Screw the bracket holding plate back to firmly to fix the expansion card bracket in position.



Completing Installation

Put back the top cover gently and tighten the thumbscrews to complete the installation. You are now ready to explore the feature-rich system.

Important Notice

Please read this before you start to install optical device.

To avoid possible damage to the 5.25" device revolving door cover of the MiniQ system case, it is highly recommended that you remove the bezel/facial plate on the tray of optical device before installation. Please refer to the following picture for detail.



1. push out the tray



2. remove facial plate on tray



3. complete

Optical devices and mechanical parts have their dimension tolerance. They might differ in size. To make sure the optical device has fine contact with the EJECT button in the back of front bezel of MiniQ system, the 5.25" device bay bracket has two kinds of screw hole for micro adjustment of device fixing position:

1) Upper row of three screw holes are suitable for most of the market available CD-ROM / DVD-ROM / DVD-RW (See picture 1). The third screw hole from front bezel is for micro adjustment of position, if necessary

2) If position of these three screw holes cannot match your CD-ROM / DVD-ROM / DVD-RW (such as SONY DVD-ROM Model: EDU-1621), you can opt to use the long oval hole beneath the three screw holes for fine contact. (See picture 2)



Picture 1



Picture 2