# Ultra DMA 66 Control Card

## USER'S MANUAL

# Introduction

This Ultra DMA 66 control card is equipped with a sophisticate controller of CMD 0648. It works through PCI bus to offer two IDE ports that can be utilized for up to four IDE devices. Not only it can auto-detect the specification of Hard disk and also it supports the total capacity of hard disk system up to 128 giga bytes. In data transfer, high density cable of 80 conductors in 40-pin bus wires gives data a fast and stable communication without any mutual-noise. This card has a particular indicator for an independent dynamic activity on IDE 1 / IDE 2; that will help user to see the working status of each channel. This card supports the operation system as the following: DOS, Microsoft Windows 3.1, Microsoft Windows 95, Microsoft Windows 98, Microsoft Windows NT 4.0.

# Features

- A powerful accelerated Ultra DMA 66 Control Card in PCI interface
- Ultra DMA 66 Controller equipped with two IDE ports. Increase another four IDE devices on main board system
- Implement high density 80 conductor cable in 40 pin bus wires; it gives a clean and fast transportation without interference
- The transfer rate of IDE bus reaches to 66 MB/sec, data transfer rate can be up to 133 MB/sec
- Besides Ultra DMA 66 control card can promote the working efficiency, it strengthens the integrity of data transfer
- This Ultra DMA 66 control card has the ability of CRC ( Cyclical Redundancy Check ) for auto-detecting data transportation

- This Ultra DMA 66 control card is compatible with ATA devices and the backward systems, such as Ultra DMA 33, DMA, IDE and CD-ROM
- Supported operation systems, DOS, Microsoft Windows 3.1, Microsoft Windows 95, Microsoft Windows 98, Microsoft Windows NT 4.0.

# Hardware Installation

## Installation steps:

- Turn the machine power off.
- Open up the cover of the computer case.
- Insert this card to the PCI slot of the main board.

### Part description on board

| | |
|---|---|
| Chip ( U1) | : CMD 0648 control chip |
| Primary IDE | : IDE Port |
| Secondary IDE | : IDE port |
| LED 1 / LED 2 | : Indicator of working status |

# Software Installation

### Steps for Driver installation in Windows

- Set this card correctly in PCI slot. Start Windows system.

* If install the windows 2000,before scan hard disk need click the F1

- The Installation Wizard will detect the exist of CMD PCI-0648 Ultra DMA IDE Controller. Follow the instruction on each step for installation.
- put the bundled disk in floppy disk drive(CD ROM) in place before starting operation of installation. During installation, Windows will **search for the new driver**, Select **browse (R)** and put the path

for the new driver location to **A:\Win9X (CDROM:\IO\571\win9X)** then click **next**.

- At the end of software installation for the new hardware device, the screen will appear **CMD PCI-0648 Ultra DMA IDE Controller** on the screen, click **finish** to complete the installation process.
- Reboot computer system and the system has been done on driver installation.

# Steps for Driver installation in Windows NT

- Set this card correctly in PCI slot. Start Windows NT system.
- In Windows NT system, choose the **Control Panel** in **My Computer,** click **SCSI interface card.**
- Confirm the program of driver, execute the move of adding new device .
- Put the bundled disk in floppy disk drive (CD ROM)in place. Choose the disk-type as the choice for driver. Choose the new driver location in **A:\winnt (CDROM:\IO\571\winnt)**as the directory to reach. Choose **CMD 64xx32-bit IDE Adapter** then click **Enter** .
- After the above installation is finished, reboot the computer system, and driver installation is completed.


## Acknowledgements

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**KWE 571**
**Tested To Comply**
**With FCC Standards**
**FOR HOME OR OFFICE USE**

This device is in conformance with Part 15 of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device accept any interference received, including interference that may cause undesired operation.

***FCC NOTICE***

This equipment has been tested and found to comply with the limits for a Class B Computing Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged trying to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and the antenna.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experience radio or TV technician for help.

***IMPORTANT***

Any changes or modifications not expressly approved by the party responsible

for the compliance could void the user's authority to operate this equipment.
This product requires the use of shielded cables in order to comply with FCC requirements