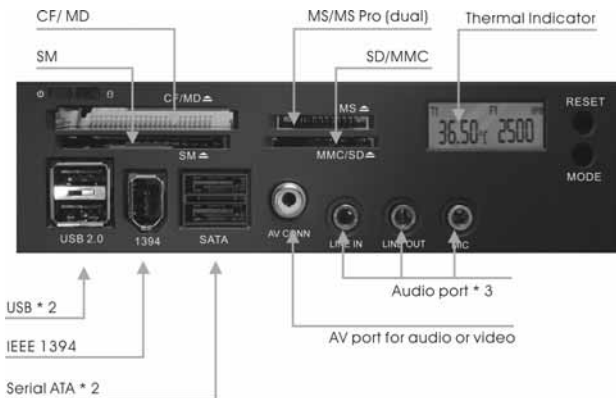


1. Introduction

1.1.Product Overview

The multi-function panel is a new extreme 3-module product comes with multi-slot card reader, thermal indicator and multi I/O panel, user able to install in standard 5.25" device bay. For multi-slot card reader, it provide the most popular memory card, including Compact Flash card type I/II, MicroDrive, Memory stick, Memory Stick Pro, Memory Stick Dual, Memory Stick Dual Pro, SD card MMC card SM card. For thermal indicator when the temperature over the setting range, this panel will automatic alarm you to check cooling system. For multi I/O panel function, it provide a quicker, reliable convenient PC operation environmental .It provide most convenient front cable connection, including USB/1394/SATA/audio/video connectors, it's a perfect solution for all kind of PC peripheral.

1.2. Illustration of product



1.3 Package contents

The package should contain the following items:

1. The Multi-function Panel x 1
2. SATA x 2
3. USB cable x 1 (2 ports)
4. 1394 cable x 1
5. RCA cable x 1
6. audio cable x 1
7. Accessory kit x 1
8. This User's Guide

Specification:

DC Input	+5V / +12V , USB bus power
DC Output	4V – 12V DC
LCD display	28 x 11 mm
Sensor temp range	0~90 °C / 0~194 °F
Range of fan RPM	1000~9900 RPM
3 pin fan connector	2
Memory card type	CF type I/II, Micro drive, MS, MS PRO, MS DUAL PRO, MS DUAL, SD, MMC, SM
Interface of reader	USB 2.0
OS	Win 98se/me/2000/XP, Mac OS 8.6+

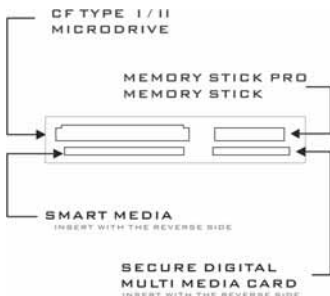
2.Feature

2.1 Multi-slot card reader module:

USB 2.0 High Speed Card Reader series provide you the easiest, fastest way to access your storage cards. By integrating the latest USB 2.0 technology, we will bring you the extremely fast speed up to 480Mbits/Sec. You can easily write/read files and images to the storage cards.

This multi-slot Reader/Writer accepts the following memory cards:

1. Compact Flash Type I/II
2. Micro Drive
3. Memory Stick
4. Memory Stick Dual
5. Memory Stick PRO
6. Memory Stick Dual PRO
7. Smart Media
8. SD
9. Multi Media Card



2.1.1. Features:

Hi-Speed USB 2.0 backwards compatible with all USB 1.1 ports

All 4 memory-slots are active, which allows you to copy data between the different memory cards at the same time.

USB Mass Storage Class Device.

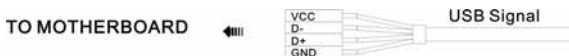
Max Speed will be up to 480Mbit/sec

Plug & play and Hot Swapping

LED Indication for Power & Access

Windows 98/98SE/2000/XP and Mac OS 9.x/Mac OS

2.1.2. Card reader installation:



Pin of Reader	Pin of Motherboard	Description
VCC	VCC / +5V	USB +5V power
D-	D- / USB-	Negative Data
D+	D+ / USB+	Positive Data
GND	GND / Ground	Ground

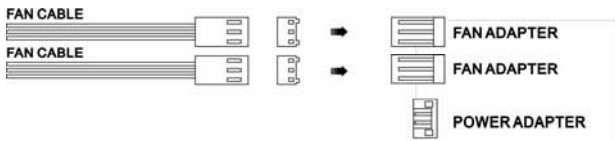
2.2 Thermal controller module:

2.2.1 Features

- LCD display for temperature & RPM speed.
- 2 Fan RPM and 2 temperature monitor display.
- Overheat alarm function.
- Support 2 fans RPM adjustable function.
- Input 12V±10%, output 4-12V±10%, (max output 10 Watt)

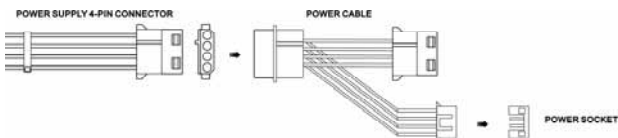
each channel)

- Temperature unit setting for “°C” or “°F”
- Support the M/B detection: external signal wire.



2.2.2 Setup for thermal module

DC input:



Cooling fan installation:

Alarm temperature setting: Please follow the instruction of panel and switch to the location you need.

c. Temperature unit:



short: °F



open: °C

d. alarm RPM setting:



Open: 1000 RPM



short: 2000RPM

d. Alarm Temp. setting:



45 / 55 / 65 °C

[!] Caution: Press reset bottom after setting

2.2.3. Functions of LCD

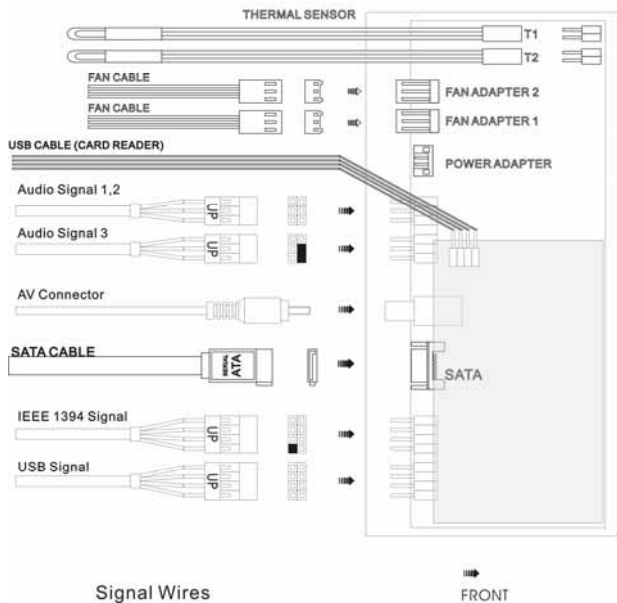
1. Sensor temp. range : 0~90 °Celsius / 0~194 °F
2. The detection of fan rotational speed: 1000~9900 RPM
3. Overheat temperature alarming:
When temperature is higher than setting value, the digits on LCD starts flashing and buzzer starts beeping. As long as the cause resulting in over temperature is removed, visual and automatically stops in 30 seconds; however the digits on LCD keeps flashing till the cause is completely eliminated.
4. Fan low / fan failure alarming:
When fan speed is lower than the setting value, the digits on LCD starts flashing and buzzer starts beeping. As long as the cause is solved, visual and

audio alarm stops automatically. The beeping will be automatically stops in 30 seconds if the cause is left unsolved. However the digits on LCD keep flashing till the cause is completely eliminated.

5. The fan speed will not work and display “- -” , if the fan is not under monitoring.

2.3 Setup for multi-I/O panel

TOP VIEW



3.Installation:

1. Carefully insert the drive into 5.25" drive bay.
2. Fasten the drive into the carrier with screws.
3. Attach the 4-pin USB cable into motherboard's USB pin header.
4. Insert the 1394 cable into PC Bracket through the opening of L type bracket.
5. Insert the card reader USB cable into PC Bracket through the opening of L type bracket.
6. Attach the USB cable into MB pin header.
7. Attach the SATA cable into MB's SATA connectors.
8. Attach the USB/1394/audio/SATA cable into PCB pin header. (Make sure the position accurate by "UP" label)

4.Driver installation

4.1. Minimum System Requirements:

Windows

Pentium class PC with USB support
Windows 98SE, 2000, ME, XP
CD-ROM drive
USB 2.0 port required from Hi-Speed transfer.

Macintosh

Macintosh computer with USB support
Mac OS 9.1.x and 9.2.x, OS X v10.1.2+
CD-ROM drive
USB 2.0 port required from Hi-Speed transfer

4.2. Minimum System Requirements:

4.2.1. Installation for Windows 98/SE/2000

1. Insert the driver CD into the CD-ROM drive.
2. Click the CD-ROM drive icon.
3. Follow the step of "Install Wizard" to install the "USB Card Reader Driver".
4. Click "Yes" to reboot the system.
5. Plug your card reader into USB port and Windows 98SE will detect it automatically.
 - a. The pop-up window "Find new Hardware" will come out.
 - b. Wait for Windows 98SE to configure the card reader. When the installation (of the card reader driver) is successful, this pop-up window will disappear automatically.
 - c. Open "my computer", you'll see removable drives installed in your computer, then the installation is completed.
 - d. The installation is completed.

4.2.2 Installation for Windows ME/XP.

This card reader is a driver-free device for Windows ME/XP. You don't have to install any driver and can plug into USB port directly.

Windows ME/XP will detect and install all the associated files automatically.

4.3 Uninstall Driver:

1. Please run the setup process again to uninstall the


- driver.
2. Follow the on-screen instruction to complete the process.
 3. System would ask you to restart the computer, please choose “Yes, I want to restart my computer now” to restart your PC, the uninstall will be done.

4.4. Remove Device:

For Windows 98/98SE Users

- Before you remove your flash cards or reader, please wait for “Access LED” on reader stops blinking to prevent data loss.

For Windows ME/2000/XP Users

- Please double-click the icon  on the system tray. A dialog box will appear.

Double-click the Generic USB Storage Device to remove the device or cards for preventing from data loss.

5. Trouble Shooting

The cooling gear can be easily installed. Please follow the troubleshooting steps below to solve any problem you may encounter.

1. Boot up fail. (CPU fan detect fail by BIOS)

The CPU signal wire is properly unconnected to the M/B therefore you have to connect the extra signal wire for M/B detection.

2. LCD display not lit.

Make sure the DC power connector is plugged into the power socket.

3. Sensor Overheat, buzzer always working!

We suggest that you can whether add on more cooling fan to cool down your chassis or increase the overheat degree setting.

[!] Please contact your dealer if the problem persistent continuity.

