2CF2SATAR

Instruction Manual

SATA or USB to CompactFlash Adapter

**2.5" SATA or USB to Dual
CompactFlash SSD Adapter
with RAID**

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with 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 or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try 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 receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

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Table of Contents

Introduction

Packaging Contents

- 1 x 2CF2SATAR adapter
- 1 x 2.5" HDD Mounting Bracket (attached to adapter)
- 1 x Mounting Screw
- 1 x USB mini-B to A Cable
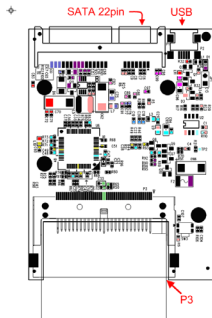- 1 x User Manual
- 1 x Software CD

System Requirements

- Available SATA power/data connections for internal use
- Available USB port for external use
- Microsoft Windows® XP/Server 2003/Vista, Mac OS® 10.4.x/10.5.x, or Fedora® Core 6 for the optional RAID utility
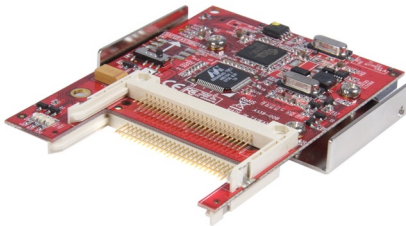
Installation

Top View

Bottom View
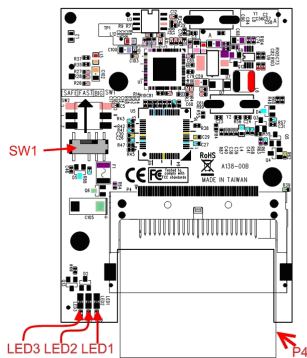
Mode Switch
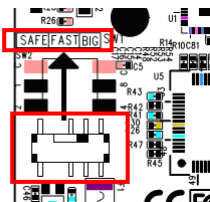
SAFE FAST BIG

LED Behaviour

LED1 (Ready)

Description	Indicator
Board Ready	ON
Board Fail	OFF

LED2 (Activity)

Description	Indicator
Unplugged	OFF
Idle	OFF
Accessing	Flashing
Rebuilding	ON
Rebuild-Verify	Flashing
Error	OFF

LED3 (Alarm)

Description	Indicator
RAID1 Failure/Disk Unavailable	ON*
No Errors	OFF

* remains on until a rebuild is started, or turned off by host application

Hardware Installation

1. Plug the CompactFlash cards into slots P3 and P4.

2. Connect USB cable from the mini USB connector on the adapter to the computer.

3. Check if the total size of the CF memory cards are correct.

4. Safely remove from the computer, then set the slide switch (SW1) to the desired RAID mode (Default is BIG mode).

5. If using internally or with an HDD enclosure, disconnect the USB cable and install the adapter board inside the computer system or enclosure as per any standard 2.5" HDD.
   Optionally, the 2.5" HDD mounting bracket can be removed from the adapter for any custom mounting applications.

6. Connect the SATA data and power connectors.

7. Repeat Step 1 to Step 6 when installing new CF cards.

Driver Installation

No driver installation is required for the 2CF2SATAR adapter, as it is natively supported as a standard SATA hard disk drive or USB Mass Storage Device.

Software Installation

Install the Configuration Manager Utility to monitor the RAID status and activities of the disks. You can find the Configuration Manager Utility 57xxSteelVineManager.zip and Configuration Manager Manuals SiI57XX_Users_Guide.pdf on the enclosed Driver CD at \DiskArray\ eSATA_SATAx2 \SiI57xx. You can also download these from the StarTech.com website (www.startech.com).

Troubleshooting

Q1. Cannot access the disk after computer resumes from standby.

A1. Unplug the SATA or USB connection and then plug in again.

Q2. Configuration Manager Utility shows Raid failure.

A2-1. RAID1 Mode:

Change the failed CF card (Device 0 means CF on P3, Device 1 means CF on P4) and the adapter will automatically rebuild the Raid1 array.

A2-2. RAID0 Mode:

Switch the slide switch (SW1) to RAID1 mode, install CF cards (Device 0 means CF on the P3, Device 1 means CF on P4), connect the USB cable from the mini USB connector to USB port on computer, then switch the slide switch (SW1) to RAID0 mode, disconnect USB cable.

A2-3. BIG Mode:

Switch the slide switch (SW1) to RAID1 mode, install CF cards (Device 0 means CF on the P3, Device 1 means CF on P4), connect the USB cable from the mini USB connector to USB port on computer, then switch the slide switch (SW1) to BIG mode, disconnect USB cable.

Specifications

Bus Interface	SATA 3Gbps USB 2.0
Maximum Data Transfer Rate	SATA: 3 Gbps USB: 480 Mbps
Connectors	SATA 7+15 USB mini-B
LED Indicators	Ready, Activity, Alarm
Supported Disk Modes	RAID0, RAID1, Concatenation
CompactFlash Compatibility	CF type I and II, 2TB (maximum capacity)

Technical Support

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