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> [Compaq Fast Track 100 Ultra ATA100 RAID Card \(Model 250188-001\) User Manual](#)

## Compaq 250188-001

# Compaq Fast Track 100 Ultra ATA100 RAID Card (Model 250188-001) User Manual

Model: 250188-001

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## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, configuration, and operation of the Compaq Fast Track 100 Ultra ATA100 RAID Card, model 250188-001. This RAID controller is designed to enhance data storage performance and reliability in compatible computer systems by supporting various RAID levels for ATA/IDE hard drives. Please read this manual thoroughly before attempting installation or configuration to ensure proper setup and to prevent data loss or system damage.



Figure 1: Compaq Fast Track 100 Ultra ATA100 RAID Card. This image displays the physical card with its connectors and components.

## 2. SETUP AND INSTALLATION

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### 2.1 System Requirements

- Available PCI expansion slot.
- Compatible operating system (e.g., Windows 2000, XP, Server 2003, Linux).
- ATA/IDE hard drives.
- Motherboard with available PCI slot and sufficient power supply.

### 2.2 Hardware Installation

1. **Power Off System:** Shut down your computer and disconnect the power cord from the wall outlet.
2. **Open Computer Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCI Slot:** Identify an available PCI expansion slot on your motherboard.
4. **Insert RAID Card:** Carefully align the Compaq Fast Track 100 RAID card with the chosen PCI slot and press firmly until it is securely seated.
5. **Secure Card:** Use a screw to fasten the RAID card's bracket to the computer case.
6. **Connect Hard Drives:** Connect your ATA/IDE hard drives to the RAID card's IDE connectors using 80-conductor IDE cables. Ensure proper master/slave jumper settings on the drives if applicable.
7. **Close Case:** Replace the computer case side panel and reconnect the power cord.
8. **Power On System:** Turn on your computer.

### 2.3 Driver Installation

Upon first boot after hardware installation, the operating system may detect new hardware. You will need to install the appropriate drivers for the Fast Track 100 controller.

- **Windows:** Insert the driver CD (if provided) or download the latest drivers from the Compaq support website. Follow

the on-screen prompts to install the drivers. For operating systems like Windows 2000/XP, you may need to press F6 during OS installation to load RAID drivers from a floppy disk.

- **Linux:** Consult your Linux distribution's documentation for installing RAID controller drivers. Drivers are often included in the kernel or available as modules.

## 3. OPERATING INSTRUCTIONS

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### 3.1 BIOS Configuration

After driver installation, you may need to access the RAID controller's BIOS to configure RAID arrays.

1. **Access RAID BIOS:** During system boot-up, watch for a prompt (e.g., "Press CTRL+F to enter FastBuild Utility" or similar) to enter the RAID controller's BIOS. Press the indicated key combination.
2. **Create Array:** Within the RAID BIOS utility, navigate to the option for creating a new array.
3. **Select RAID Level:** Choose your desired RAID level (e.g., RAID 0 for performance, RAID 1 for redundancy, RAID 0+1 for both).
4. **Select Drives:** Select the physical hard drives to be included in the array.
5. **Confirm and Save:** Confirm your selections and save the configuration. The utility will then initialize the array.
6. **Exit RAID BIOS:** Exit the RAID BIOS utility. The system will reboot.

*Note: Refer to the specific FastBuild Utility documentation for detailed steps on creating and managing RAID arrays, as interface options may vary slightly.*

### 3.2 Operating System Integration

Once the RAID array is created in the controller's BIOS, the operating system will recognize it as a single logical drive. You can then partition and format this drive like any other hard drive.

- **Disk Management (Windows):** Use the Disk Management utility to initialize, partition, and format the new RAID volume.
- **Disk Utilities (Linux):** Use tools like fdisk, gparted, or mkfs to manage the RAID volume.

## 4. MAINTENANCE

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### 4.1 Driver Updates

Periodically check the Compaq support website for updated drivers. Keeping your drivers current can improve performance, stability, and compatibility.

### 4.2 System Monitoring

For RAID 1 or RAID 0+1 configurations, regularly monitor the health of your hard drives. Many operating systems and RAID utilities provide tools for this purpose. Promptly replace any failing drives to maintain data integrity.

## 5. TROUBLESHOOTING

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### 5.1 Card Not Detected

- Ensure the card is fully seated in the PCI slot.
- Try a different PCI slot.
- Verify that the motherboard's BIOS has PCI slots enabled.

## 5.2 Drives Not Detected by RAID BIOS

- Check all IDE cable connections to the card and drives.
- Verify hard drive jumper settings (master/slave/cable select).
- Ensure hard drives are powered on.
- Test drives individually to confirm they are functional.

## 5.3 Operating System Does Not See RAID Volume

- Confirm that the RAID array was successfully created and initialized in the RAID controller's BIOS.
- Ensure the correct drivers for the Fast Track 100 controller are installed in the operating system.
- For Windows installation, remember to press F6 to load drivers during setup if necessary.

## 6. SPECIFICATIONS

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| Feature               | Detail   |
|-----------------------|--|
| Model Number          | 250188-001                                       |
| Manufacturer          | Compaq   |
| Interface             | PCI  |
| RAID Levels Supported | RAID 0, RAID 1, RAID 0+1 (depending on firmware) |
| Data Transfer Rate    | Ultra ATA100 (up to 100 MB/s)                    |
| Connectors            | 2 x IDE (supports up to 4 devices)               |
| ASIN                  | B00DUG30JO                                       |

## 7. WARRANTY AND SUPPORT

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For specific warranty information and technical support, please refer to the documentation included with your purchase or visit the official Compaq support website. Warranty terms and conditions may vary based on region and purchase date.

**Compaq Support Website:** [www.compaq.com/support](http://www.compaq.com/support) (This is a placeholder link, please verify the actual support URL for Compaq products if available.)