

Adtron IC6C Installation Manual

Introduction

The IC6C is a member of Adtron's CompactPCI® family of 6Ux4HP storage blades. The IC6C can be configured with one or two independent hard disk drives; or, one hard disk drive in combination with a CD/DVD device.



Download the IC6C Operations Manual, available online at <http://www.adtron.com/tech.html>, before installing the IC6C.

ESD Caution



Before handling the IC6C, RTB, or any media associated with the IC6C, make sure that you are working in an ESD-safe environment. This includes wearing a wrist-strap that is connected to the cPCI chassis. Another precaution is to touch the cPCI chassis before handling or installing/removing the IC6C, RTB, or media.

Before installing the IC6C

The IC6C master/slave settings are set at the factory based on the configuration you ordered. There are several ways to set the jumpers based on the media installed in the bank and the use of the onboard IDE controller, off-board (J5) IDE distribution, or the carrier board option. For complete details, see the IC6C Operations Manual available online at <http://www.adtron.com/tech.html>.

| | |
|-------------------|---|
| Indicators | IPMI LED - the health of IPMI. Green indicates good. Solid orange indicates an error. Activity LED – Off indicates no access. Green indicates read/write activity to drives. |
| Interface | Onboard bootable IDE host adapter using PCI-to-IDE controller. Optional offboard IDE distribution through J5 on the rear transition board. |
| Size | 6U x 4HP |
| Weight | 536g (19oz) varies based on media installed |
| Power | 3.3V @ .600A, 5V @ 4.0A max (Startup current) (IC6C Model 01 with 1 HDD and 1 CD-RW/DVD-R/RW device.) |

Table 1 Specifications

| CD/DVD Options | Options | CSEL JP1 (Bank 0) HDD | CSEL JP2 (Bank 1) HDD/CD/DVD |
|--|---------|-----------------------|------------------------------|
| IC6C (Bank 0: HDD; Bank 1: HDD) | 1 | On – Master | Off – Slave |
| | 2 | Off - Slave | On - Master |
| IC6C – R01 (Bank 0: HDD; Bank 1: CD-ROM) | 1 | On – Master | On – Slave |
| | 2 | Off - Slave | Off - Master |
| IC6C – R03 (Bank 0: HDD; Bank 1: CD-RW/DVD-ROM) | 1 | On – Master | On – Slave |
| | 2 | Off - Slave | Off - Master |
| IC6C – R04 (Bank 0: HDD; Bank 1: CD-RW/DVD-R/RW) | 1 | On – Master | On – Slave |
| | 2 | Off - Slave | Off - Master |
| IC6C – R05 (Bank 0: HDD; Bank 1: CD-RW/DVD±R/RW) | 1 | On – Master | Off – Slave |
| | 2 | Off – Slave | On - Master |

Table 2 Master-Slave Settings

Installing the IC6C in the chassis

1. (Configurations 01, 03 and 04 only) Turn the system power off.
2. Locate an empty 6U peripheral slot. (Not the system slot with red guide rails.)
3. Remove the slot cover plate, if present.
4. Unlatch both handles on the IC6C by pressing in on the release button in each handle.
5. Holding the IC6C by the handles, properly align the IC6C with the guide rails and slide it back until it touches the backplane connectors.
6. To engage the handles, simultaneously push the IC6C into the backplane while levering in on both handles until the handles lock into the chassis.
7. Fasten the screw located inside each handle to the chassis.

Installing the RTB in the chassis

The IC6C can be configured with one of three rear transition boards (RTBs). Review the Operations Manual before installing the RTB.

1. (Configurations 03 and 04 only) Turn the system power off.
2. (Configurations 02 and 05 only) Make sure that neither the CD/DVD device nor the HDD are being accessed by the host, operating system, or application software.
3. (Configurations 02 and 05 only) Put the IC6C in the hot swap state.
4. Locate the empty 6U peripheral slot directly opposite the IC6C.
5. Remove the slot cover plate, if present.
6. Unlatch both handles on the RTB by pressing in on the release button within the handle.
7. Holding the RTB by the handles, properly align the RTB with the guide rails and slide it back until it touches the backplane connectors.
8. To engage the handles, simultaneously push the RTB into the backplane while levering in on both handles until the handles lock into the chassis.
9. (Optional) Fasten the screw located inside each handle to the chassis.

Installing the device drivers

IC6C configurations 01, 03 and 04 include the PCI-to-IDE controller and may require device drivers for certain operating systems. The included diskette contains device drivers for Windows NT v.4.0, 2000. Refer to the README file on the diskette for the latest installation information.

Installing an operating system

The IC6C is ready to be loaded with most popular operating systems and any software applications required.

Troubleshooting

The IC6C is simple to install and operate. Table 3 lists some common problems and possible solutions. For more information, visit the Adtron website at <http://www.adtron.com/tech.html>, send email to techsupport@adtron.com, or contact technical support at 602-735-0300 in the U.S. or at +45-4557-0754 in Europe.

Warranty

Adtron warrants this product to be free from defects in materials and workmanship for one year. If this product fails within one year due to such a defect, Adtron will repair or replace this product at no charge. This warranty does not apply if this product has been damaged by abuse, accident, disaster, misuse or incorrect installation.

Notice

This manual provides some basic feature information and installation instructions for the Adtron's IC6C. Adtron reserves the right to modify, amend, or in any way change the contents and/or products described herein, at any time, without notification.

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| Problem | Possible Solutions |
|---|---|
| 1. The IC6C drives are not seen during the BIOS load. | Verify that JP1 and JP2 jumpers on the IC6C are set correctly. Verify the BIOS settings are enabled for the IDE bus. Make sure the IC6C and the IC6RTB are in corresponding slots. If J5 is used, make sure the cable is connected correctly. |
| 2. The IC6C will not boot the operating system from the HDD or CD-ROM. | Verify that boot order is set correctly in the BIOS. If CD-ROM is used, verify the CD is bootable. Refer to solutions in 1. above. |
| 3. After inserting the IC6C and powering up the chassis, the IPMI LED indicator is off. | Contact Adtron technical support for a Return Material Authorization number. |

Table 3 Troubleshooting