

Adtron IC6HB Installation Manual

Introduction

The Adtron IC6HB is a 6U x 4HP PICMG® CompactPCI® (cPCI®) compatible member of Adtron's Managed Reliability Technology™ family of storage systems. The IC6HB fixed media includes two hard disk drives with capacities up to 160GB in a RAID 0 configuration. The IC6HB may also be populated with non-volatile flash disk drives.

Visit www.adtron.com/products to view the complete line of Adtron SCSI and IDE flash and hard disk storage blades.

ESD Caution



Before handling the IC6HB, IC6RTB or UC6IRTB, 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 IC6HB, IC6RTB or UC6IRTB.

Before installing the IC6HB

The IC6HB master/slave settings and DMA mode are set at the factory based on the configuration you ordered. See the IC6HB Operations Manual for more information, available online at <http://www.adtron.com/support>, before installing the IC6HB.

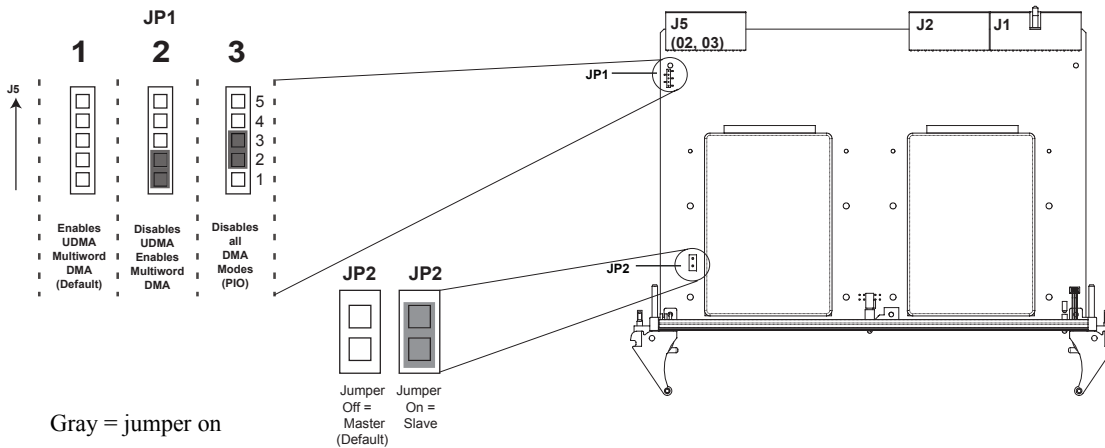


Figure 1 IC6HB Jumpers

Setting DMA Modes

JP1 is used to set DMA modes. By default, UDMA Multiword DMA is set on the IC6HB. If the Single Board Computer's (SBC) secondary channel being used has transmission length restrictions, users can configure the IC6HB to communicate at a lower data transfer mode. See Figure 1 for lower transfer modes and jumper setting details, such as PIO.

Setting Master/Slave

JP2 is used to set Master/Slave. By default, the JP2 jumper is off and the IC6HB is the master device. With the jumper on, the IC6HB is the slave device. See Figure 1 for the location of JP2. Refer to the Operations Manual for complete details.

Installing the IC6HB in the chassis

1. Make sure that you are properly grounded.
2. Turn the system power off. (Optional for configuration 02.)
3. Locate an empty 6U peripheral slot. (Not the system slot with red guide rails.)
4. Remove the slot cover plate, if present.
5. Unlatch both handles on the IC6HB by pressing in on the release button in each handle.
6. Holding the IC6HB by the handles, properly align the IC6HB with the guide rails and slide it back until it touches the backplane connectors.
7. To engage the handles, simultaneously push the IC6HB into the backplane while levering in on both handles until the handles lock into the chassis.
8. Fasten the screw located inside each handle to the chassis, if desired.
9. Restore power to the chassis, if turned off in step 2.

Indicators	IPMI LED - the health of IPMI. Flashing orange indicates initializing. Green indicates good. Solid orange indicates an error. Activity LED – Green indicates no read/write activity to drives. Orange indicates read/write activity to drives.
Interface	Optional onboard bootable IDE host adapter using PCI-to-IDE controller. Optional offboard IDE connection through RJ5 on the IC6RTB or UC6IRTB.
Size	6U x 4HP
Weight	Based on capacity. Contact Adtron Sales.
Power	3.3V @ 2.0A, 5V @ 2.0A (Startup Current)

Table 1 Specifications

Installing the IC6RTB or UC6IRTB in the chassis

1. Turn the system power off.
2. Locate the empty 6U peripheral slot directly opposite the IC6HB.
3. Remove the slot cover plate, if present.
4. Unlatch both handles on the RTB by pressing in on the release button within the handle.
5. Holding the RTB by the handles, properly align the RTB with the guide rails and slide it back until it touches the backplane connectors.
6. To engage the handles, simultaneously push the RTB 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.
8. Restore power to the chassis.

Installing the device drivers

IC6HB configurations 01 and 03 include the PCI-to-IDE controller and may require device drivers for certain operating systems. The included diskette contains device drivers for DOS, Win 9x, Windows ME, NT 4.0 and 2000/XP. Refer to the README file on the diskette for the latest installation information.

See the IC6HB Operations Manual for complete descriptions of device drivers.

Installing an operating system

The IC6HB is ready to be loaded with most popular operating systems and any software applications required.

Troubleshooting

The IC6HB is simple to install and operate. Table 2 lists some common problems and possible solutions.

For more information, visit the Adtron web site at <http://www.adtron.com/support>, 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.

Problem	Possible Solutions
The IC6HB drive is not seen during the BIOS load.	Verify that JP2 jumper on the IC6HB are set correctly. Verify the BIOS settings are enabled for the IDE bus. Make sure the IC6HB and the IC6RTB or UC6IRTB are in corresponding slots. If J5 is used, make sure the cable is attached to the IC6RTB.
After inserting the IC6HB and powering up the chassis, the IPMI LED indicator is off.	Contact Adtron technical support for a Return Material Authorization number.

Warranty

Adtron warrants this product to be free from defects in materials and workmanship for three years. If this product fails within three years 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 IC6HB. 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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Adtron Corporation

4415 E. Cotton Center Blvd. Suite 100
Phoenix, AZ 85040

Tel: U.S. 602-735-0300, Europe + 41-56-496-5640

Fax: U.S. 602-735-0359, Europe +41-56-496-5648

<http://www.adtron.com>

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