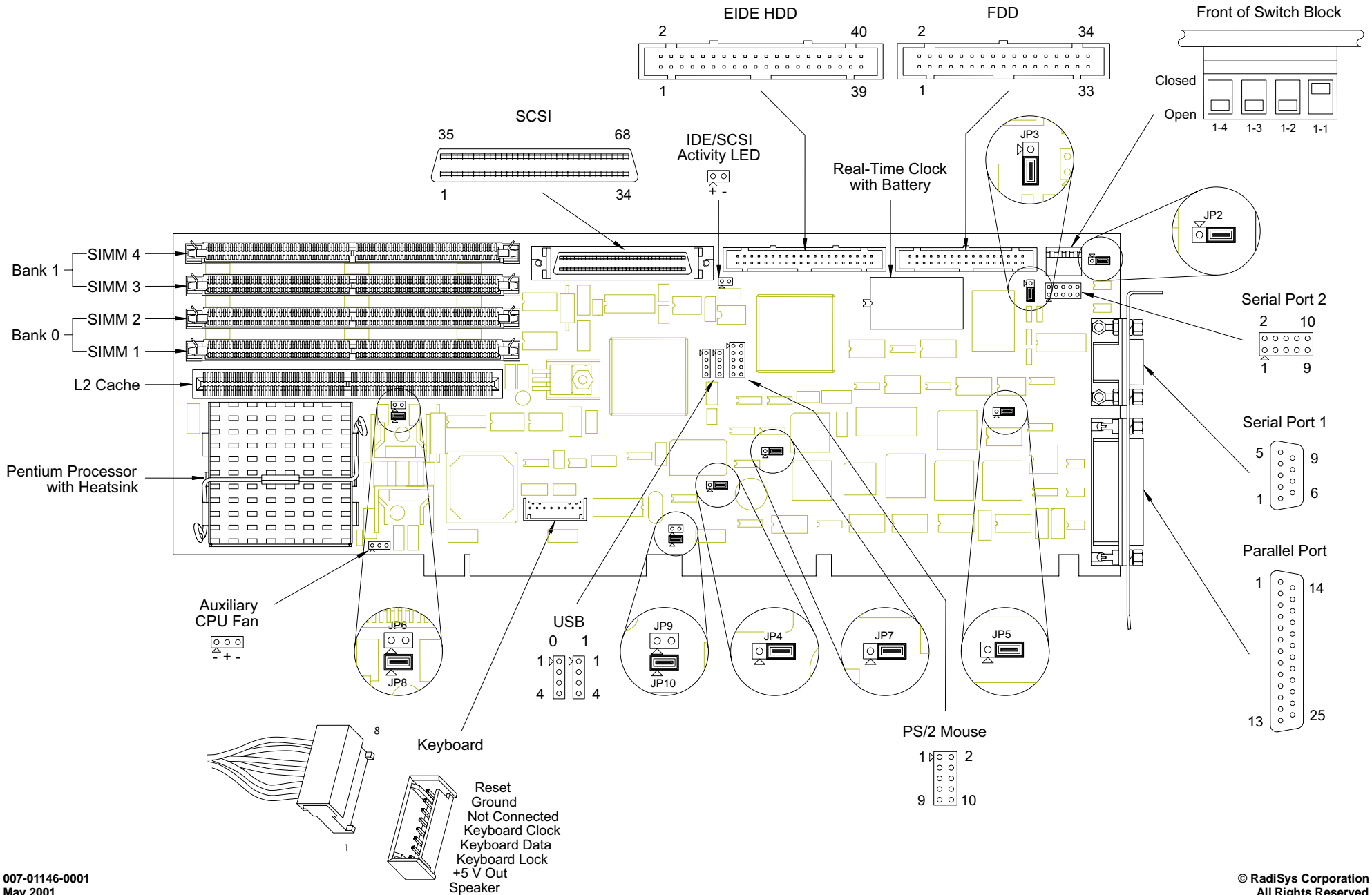


EPC-2102 SBC (P5000HX2(-M)) Quick Reference Card

This card provides information to help you quickly configure, install, and operate your single-board computer. Keep this card in a convenient location for future use. See the service manual for more detailed information.



Technical and Product Support

Accessing the Web Site

In-depth printable service manuals and other documentation are available for download from the RadiSys Web site:

<http://www.radisys.com>

Then click on **Support** to access a link to the documentation, drivers, and BIOS. Documentation is available at this Web site in Adobe® Acrobat® .PDF format and may be viewed and printed using Acrobat® Reader™ software. BIOS files are available as self-extracting disk image files. Links are provided to various partners' web sites where any files and tools needed to install drivers are available for download.

Calling Technical Support

RadiSys Corporation provides technical support Monday–Friday, 8:00 a.m.–5:00 p.m. Central Time in the continental USA and 8:30 a.m.–5:00 p.m. in Europe.

To expedite your request, have the RadiSys product model and serial number available. Then call one of the following numbers:

- Inside the continental USA, dial 1-800-627-8700.
- Outside the continental USA, dial 1-713-541-8200 (add long distance/international codes).
- In Europe, dial +31-36-5365595.

Inspection of Contents / Packaging of Product

The packaging for this product has been tested to assure that it will withstand responsible handling by the carrier.

Caution: Inspect contents immediately and file a claim with the carrier for any damage. Save the shipping box and packaging material to use for any further shipment of this equipment. However, if the packaging is damaged and is not suitable for shipment, call RadiSys Technical Support to obtain new packaging. The warranty may be void if the product is returned using unapproved or damaged original packaging.

Returning Your Product

A Returned Material Authorization (RMA) number must be written on the outside of the shipping carton of all equipment returned to RadiSys for service and/or repair. It is recommended that any correspondence included with the carton contents also refer to the RMA number.

Note: The factory will refuse the shipment if it is sent freight collect or if it does not display an RMA number.

Quick Start

To begin operating your EPC-2102 single-board computer, perform the following:

1. Ensure that all jumper settings match your requirements
2. Ensure that all switch settings match your requirements.
3. Install the SBC onto a passive backplane in a chassis.
4. Attach all necessary peripheral devices to the appropriate headers and connectors on the SBC.
5. Power-on the system.
6. Run the Setup Utility if you need to change any settings to match your requirements.

Note: See the table “Setup Utility” for factory default settings..



To avoid damage or injury, always exercise the following precautions when handling the equipment:

- Use a grounding wrist strap or other static-dissipating device
- Power-off the system
- Disconnect all power cords

Jumper Settings			
	JP9	JP10	Host Bus Speed
	<i>None</i>	<i>1—2</i>	<i>66.6MHz</i>
	<i>1—2</i>	<i>None</i>	<i>60.0MHz</i>
	<i>1—2</i>	<i>1—2</i>	<i>50.0MHz</i>
	JP6	JP8	Bus Core Ratio[†]
	<i>None</i>	<i>None</i>	<i>2/3</i>
	<i>None</i>	<i>1—2</i>	<i>1/2</i>
	<i>1—2</i>	<i>1—2</i>	<i>2/5</i>
	<i>1—2</i>	<i>None</i>	<i>1/3</i>
	<i>None</i>	<i>None</i>	<i>1/5</i>
	JP2, JP3, & JP5	Serial 2 Configuration	
	<i>2—3</i>	<i>RS-232</i>	
	<i>1—2</i>	<i>RS-422</i>	
	JP4	Watchdog Timer	
	<i>2—3</i>	<i>Inactive</i>	
	<i>1—2</i>	<i>Active</i>	
	JP7	Next Step OS Configuration	
	<i>2—3</i>	<i>Normal Operation</i>	
	<i>1—2</i>	<i>Next Step OS optimization</i>	
[†] The Bus Core Ratio is based on the Host Bus Speed at 66.6MHz. [‡] The default CPU speed is determined by the processor installed.			

Switch Settings	
SW1-1	Default Monitor Type
	<i>Open</i> <i>Monochrome</i>
	<i>Closed</i> <i>Color</i>
SW1-2	On-Board ROM Access
	<i>Open</i> <i>Flash memory enabled; auxiliary ROM disabled</i>
	<i>Closed</i> <i>Flash memory disabled; auxiliary ROM enabled</i>
SW1-3	CMOS RAM
	<i>Open</i> <i>Normal operation</i>
	<i>Closed</i> <i>Factory default CMOS values are loaded</i>
SW1-4	Configuration Ports
	<i>Open</i> <i>Map ports to I/O address 270/271</i>
	<i>Closed</i> <i>Map ports to I/O address 370/371</i>
Default settings are shown in <i>italics</i>	

Setup Utility	
Setup Item	Default Setting
Floppy Controller	Enabled
Diskette A / B	3½" 1.44 MB; Not Installed
Floppy Seek during POST	Enabled
IDE Controller Setup	Primary (1F0-1F7h)
Auto Detect IDE Drives	Enabled
Large Disk DOS Compatible	Enabled
Keyboard Typematic Sound	Enabled
Keyboard Typematic Rate / Delay	30 chars/sec; 250 msec
101-Key Keyboard NumLock at Boot	Disabled
Set Boot Drive Sequence	Diskette Drive
Report POST Errors	Enabled
Report Option ROM Errors	Enabled
Show F2 Message for Setup	Enabled
Quiet Boot Enable/Disable	Disabled
Password Options	Disabled
16550 Compatible UART 1	03F8h IRQ 4
16550 Compatible UART 2	02F8h IRQ 3
Select Parallel Port Address	0378h IRQ 7
Parallel Port Mode	AT Compatible
Serial Redirection Destination	Disabled
Serial Redirection BAUD Rate	56000
External Cache	Disabled
DRAM Speed	70 ns
DMA Aliasing	Disabled
ECC/Parity Config	Parity
Memory Gap Block Size	Disabled
Gap Reporting to OS	Enabled
8 / 16-Bit I/O Recovery Time	4.5 SYSCLOCK
ISA Guaranteed Access Time	Disabled
Delayed Transactions	Enabled
ISA Bus Speed	8.25 MHz (based on Host Bus Speed)
Speaker Config	Enabled
Watchdog Timer Delay	1.2 sec
Allocate USB Resources	Disabled
PS/2 Mouse Config	Disabled
PCI IRQ Line 1	IRQ 9
PCI IRQ Line 2	IRQ 10
PCI IRQ Line 3	IRQ 11
PCI IRQ Line 4	IRQ 15
Delay for PCI Config	Disabled
PCI Latency for Bus 0 Devices 0Dh-14h	Auto
PCI Cache Line Size	Auto
Onboard PCI SCSI	Disabled