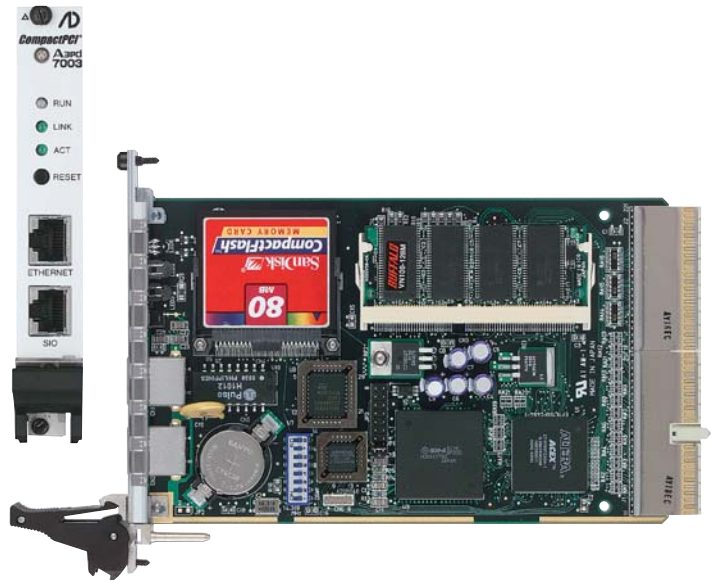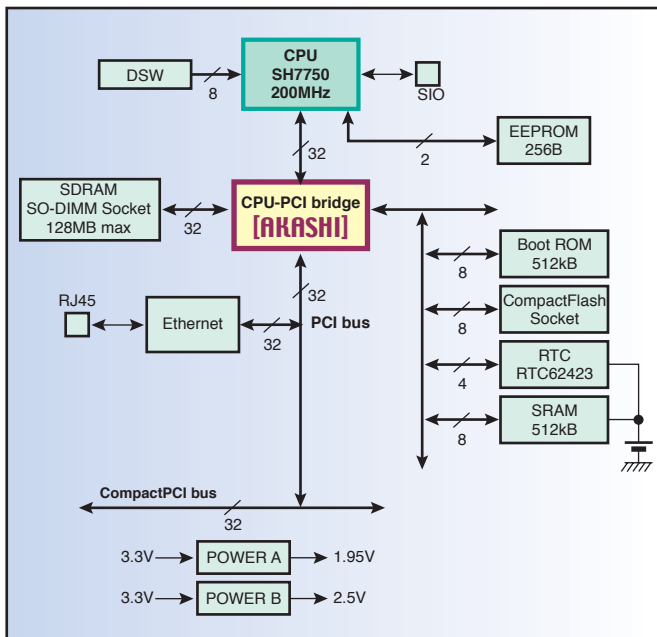# A3pci7003

SH-4 CPU Board

A3pci7003

SH-4 CPU Board

Features

3U size CompactPCI CPU board with SH-4 (SH7750)
HotSwap function support and High Availability Platform support
Up to 128MBytes of onboard SDRAM accessible from PCI bus for
   dual port RAM
One RS-232C serial port and 10/100Base-T Ethernet controller
CompactFlash socket to store application programs and data files
512KBytes of SRAM and real-time clock (battery backup)
T4th boot loader to boot OS and application programs from
   CompactFlash

Block diagram

Specifications

CPU	SH7750 256-pin BGA 200MHz
	External clock 66.6MHz/Peripheral clock 33.3MHz
Memory	EPROM 512KBytes 8-bit data (for booting)
	SRAM 512KBytes 8-bit data (battery backup)
	SDRAM SO-DIMM socket
	EEPROM 256Bytes
CompactFlash	3.3V module support
Peripheral	10/100Base-T Ethernet (RJ-45 connector)
	One RS-232C port[MI2] (RJ-45 connector)
	Real-time Clock EPSON RTC62423 (battery backup)
	Built-in WDT SH-4
	8-bit DSW, One PMC slot
Local bus	SH4-PCI bridge: [AKASHI]
CompactPCI bus	33.3MHz/32-bit, PICMG 2.0 Rev 3.0 compliant,
	5V signaling voltage
HotSwap support	High Availability Platform (system slot)
Board size	3U single slot width
Operating temperature range	0 to 60°C
Power requirements	DC3.3V/DC5V

Models

A3pci7003 :SH-4 CPU board
A3pci7003-VX :BSP for VxWorks
* SO-DIMM and CompactFlash are optional in all models.

Note: The following specifications and product appearance are subject to change for enhancement without notice.

HUMAN ELECTRONICS
Advanet Inc.
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