cPCI-3500A Series

3U CompactPCI Low Power Pentium®-MMX® CPU Module



The cPCI-3500A is a low cost, fanless 3U CompactPCI system host CPU module. It is the ideal solution of embedded controller for traffic system, vehicle or mission critical industrial automation applications.

Features

- ***Intel Low Power Pentium-MMX 266MHz CPU with Passive Heat-sink***
- ***One 144-pin SO-DIMM socket supports up to 256MB RAM***
- ***Built-in module 2.5" ATA-HDD or Flash Drive***
- ***Built-in two USB ports, two serial ports, one parallel port***
- ***Separate PS/2 type keyboard and mouse connectors***
- ***Supports 7 bus-master PCI devices on CompactPCI peripheral slots***
- ***On-board 10/100Mbps Ethernet port by Intel 82559 controller***
- ***Supports Intel pre-boot execution environment (PXE) for remote boot***
- ***3 or 2 slots width configurations are available for customized applications***

Ordering Information

cPCI-3500A/CA	3-slot version, Low Power Pentium MMX, 64MB RAM, 20GB HDD, Slim FDD
cPCI-3500A/CB	3-slot version, Low Power Pentium MMX, 64MB RAM, 64MB Flash Disk, Slim FDD
cPCI-3500A-2S/CA	2-slot version, Low Power Pentium MMX, 64MB RAM, 20GB HDD, No FDD
cPCI-3500A-2S/CB	2-slot version, Low Power Pentium MMX, 64MB RAM, 64MB Flash Disk, No FDD

All models of the cPCI-3500A come with a 3U CompactPCI Low Power Pentium CPU module and an Ethernet port, 2S1P, 2 USB, are available in the configurations above.

Specifications

CPU / Chipset / RAM

CPU	Intel SKT-7 Low Power Pentium-MMX 266MHz/512KB L2 on board
FSB	66MHz
Chipset	Intel 430TX
RAM	One 144-pin SO-DIMM socket, up to 256MB SDRAM

Bus

CompactPCI Standards	PICMG 2.0 R2.1, PICMG 2.1 Hot Swap R2.0
CompactPCI Bus	32-bit/33MHz, support 7 bus-mastering devices

BIOS

Chip	Award 2Mb flash memory
Features	Support Intel PXE pre-boot on Ethernet

I/O Interfaces

Ethernet	Single 10/100Mbps Ethernet by Intel 82559, RJ-45 connector
IDE	UDMA-33, dual channels, 44-pin connector, built-in 2.5" ATA HDD housing
Floppy	Built-in slim type floppy module on board (3-slot version only)
USB	USB 1.1, dual ports on front panel
Front Panel I/Os	PS2 KB, PS2 MS, LAN, USB x 2, LPT (mini port), COM1 (RS-232), COM2 (RS-232/422/485)
Backplane I/O (rear I/O)	COM2 (J2)

Other Features

Watchdog Timer	Dual WDT, 1-255 sec or 1-255 min software programmable, can generate system reset

Mechanical and Environmental

Form Factor	3U CompactPCI
Dimensions	100mm x 160mm (L x W), 2 or 3 slots wide
Operating Temp.	0 to 60˚C (inner-chassis temp, external air-flow required)
Storage Temp.	-20 to 80˚C
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis Operation: 0.5Grms, 5-500Hz, each axis, with 2.5" HDD
Measured Power Consumption	2.0A @ +5V, 3.2A @ +3.3V, 50mA @ +12V, installed with LPP-266 and 128MB RAM, without HDD
Certificate or Test	CE, FCC class A, HALT

Accessories

Flash Storage	Flash2000 2.5" flash drive support, DOC up 144MB support

All specifications are subject to change without further notice.

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