

# cPCI-6770 series

6U CompactPCI Single Slot Low Power Pentium-III  
CPU Module With PMC, High End VGA and LAN



cPCI-6770

## Features

- Standard 6U form factor, single-slot (4TE/HP) width
- Design for low power BGA2 Pentium-III CPU running at FSB 100MHz
- Two 144-pin SODIMM socket supports up to 512MB SDRAM
- Build-in housing for 2.5" low profile HDD
- On-board high performance AGP VGA output by ATI Mobility Radeon M6 controller
- One 10/100Mbps Ethernet port by Intel 82559 controller
- Supports Intel pre-boot execution environment (PXE) for remote boot
- Supports CompactFlash type-II socket via optional removable adaptor

## Specifications

CompactPCI Standards	PICMG 2.0 R3.0	On-board connectors	FDD (34-pin & slim type), IDE1 & IDE2 (44-pin), LPT (26-pin)
Form Factor	6U cPCI (233.33x160mm), 1 slots (4HP) wide	Backplane (rear) I/O	None
CPU/Cache	Intel BGA2 mobile Pentium-III up to 850MHz with 256K on-die L2 cache	Rear I/O Module Options	None
Front Side Bus Speed	100MHz	Watchdog Timer	1~255 sec or 1~255 min software programmable, can generate system reset
Chipset	440BX	Other Features	Intel PXE pre-boot on Ethernet
BIOS	Award 2Mb flash memory	Operating Temp.	0 to 55°C (inside-chassis temp, CPU type dependant; external air-flow required)
RAM	Two 144-pin SO-DIMM sockets, up to 512MB SDRAM	Storage Temp.	-20 to 80°C
cPCI Bus Interface	32-bit/33MHz, support 7 bus-mastering devices, TI PCI2050 PCI to PCI bridge	Shock	15G peak-to-peak, 11ms duration, non-operation
VGA	ATI Mobility Radeon M6 with 8MB VRAM	Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis Operation: 0.5Grms, 5-500Hz, each axis, with 2.5" HDD
LAN	Single 10/100Mbps Ethernet Port by Intel 82559	Measured Power Consumption	Low Power P-III-700 & 128MB RAM: 3.2A @ +5V; 5.76A @ +3.3V; 228mA @ +12V (w/o HDD) Mobile P-III-850 & 512MB RAM: 5.8A @ +5V; 5.92A @ +3.3V; 228mA @ +12V (w/o HDD)
IDE	UDMA-33, dual channels; built-in 2.5" ATA HDD housing	Certificate or Test	CE; FCC class B; HALT
Floppy	Standard 34-pin connector and one slim type FDD connector		
Flash Disk	Flash2000 2.5" flash drive or CF Card by removable adaptor		
USB	USB 1.1, single port		
Front Panel I/Os	COM1 (RS-232, DB-9), COM2 (RS-232/422/485, RJ-45), PS2 KB+MS (combo), USB, LAN, VGA, PMC		

## Ordering Information

Model number	Description/Configuration
cPCI-6770/P7	6U cPCI Single Slot Low Power P-III-700 System Host CPU Module with ATI VGA, LAN and PMC Slot, No Rear I/O
cPCI-6770/P8	6U cPCI Single Slot Low Power P-III-850 System Host CPU Module with ATI VGA, LAN and PMC Slot, No Rear I/O
DB-6760CF	Removable CompactFlash Type-II Socket Adaptor for cPCI-6760D/6770

Note: Front CPU modules and DB-6760CF adaptor are sold separately