

# cPCI-6760D Series

## 6U CompactPCI Low Power Pentium® III Host SBC with Dual PCI Buses ❖



## Specifications

### CPU / Chipset / RAM

CPU	Intel BGA2 mobile Pentium III up to 850MHz with 256K on-die L2 cache
FSB	100MHz
Chipset	Intel 440BX
RAM	Two 144-pin SO-DIMM sockets, up to 512MB SDRAM with optional on-board ECC support

### Bus

CompactPCI Standards	PICMG 2.0 R3.0, PICMG 2.1 Hot Swap R2.0, PICMG 2.7 Dual System Slot R1.0
CompactPCI Bus	32-bit/33MHz, support 14 bus-mastering devices, Dual TI PCI2050 PCI to PCI bridge

### BIOS

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

### I/O Interfaces

Display	SMI-721 AGP-2X VGA with 4MB VRAM
Ethernet	10/100Mbps Ethernet by Intel 82559: dual ports on front board and additional dual ports on cPCI-R6760S rear board
IDE	UDMA-33, dual channels, built-in 2.5" ATA HDD housing on front board
Floppy	Standard 34-pin connector on RTM
USB	USB 1.1, 2 ports (1 for front, 1 for rear)
SCSI	LSI 53C1000R, External Ultra-160 SCSI with LVD (cPCI-R6760S)
Front Panel I/Os	COM1 (RS-232), PS2 KB+MS (combo), USB, LAN1, LAN2, VGA, PMC
Backplane I/O (rear I/O)	J3: COM1, LPT, KB, MS, FDD, IDE1, LAN1, LAN2, Buzzer J4/J5: cPCI Bus B (PICMG 2.7), J5: COM2, IDE2, USB, VGA

### Other Features

Hardware Monitoring	Monitoring CPU temperature, FAN speed, system temperature, Vcore and DC voltages
Watchdog Timer	1-255 sec or 1-255 min software programmable, can generate system reset.

### Mechanical and Environmental

Form Factor	6U CompactPCI
Dimensions	233.33mm x 160mm (L x W), 2 slots (8HP) wide
Operating Temp.	0 to 60 °C (inside-chassis temp, CPU type dependant, 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	5.88A @ +5V, 3.76A @ +3.3V, 270mA @ +12V, 120mA @ -12V, installed with Pentium III 1GHz CPU and 512MB RAM, without HDD
Certificate or Test	CE, FCC class A, HALT

## Features

- PICMG 2.7 CompactPCI Dual System Buses Compliant
- Supports 14 bus-master PCI devices on CompactPCI bus by PICMG 2.7 architecture
- Design for low power Pentium-III CPU running at FSB 100MHz
- Two 144-pin SO-DIMM sockets support up to 512MB SDRAM
- Built-in housing for 2.5" low profile HDD
- On-board one single size 32-bit PMC module slot
- Up to four 10/100Mbps Ethernet ports with cPCI-R6760S
- Ultra-160 SCSI interface with cPCI-R6760S

## Ordering Information

cPCI-6760D/P7	6U cPCI Single Slot Low Power Pentium III-700 System Host CPU Module with VGA, Dual LAN, PMC Slot and DB-6760CF
cPCI-6760D/P8	6U cPCI Single Slot Low Power Pentium III-850 System Host CPU Module with VGA, Dual LAN, PMC Slot and DB-6760CF
cPCI-R6760D	Standard Rear I/O Transition Module for cPCI-6760D
cPCI-R6760S	Superior Rear I/O Transition Module for cPCI-6760D with Ultra-160 SCSI and Additional Dual LAN
DB-6760CF	Removable CompactFlash Type-II Socket Adaptor for cPCI-6760D

Note 1: Front CPU modules and rear I/O transition modules are sold separately.  
Note 2: CPU is soldered, RAM and HDD are not included.

## Rear I/O Transition Modules

Model number	Faceplate I/O	On-board I/O
cPCI-R6760D	COM2 (RS-232/422/485), LPT, KB, MS, USB, VGA, LAN1, LAN2	COM1 (10-pin), FDD (34-pin), IDE1 & IDE2 (40-pin), Buzzer
cPCI-R6760S	COM2 (RS-232/422/485), KB & MS, USB, LAN1-4, SCSI	COM1 & COM2 (10-pin), LPT (26-pin), FDD (34-pin), IDE1 & IDE2 (40-pin), Buzzer, VGA (15-pin) (external 68-pin)

All specifications are subject to change without further notice.