cPCI-6765A

6U CompactPCI Low Power Pentium® III None-bus PICMG 2.16 Blade



Specifications

CPU / Chipset / RAM

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

Bus

Standards	PICMG 2.0 R3.0, PICMG 2.1 R2.0, PICMG 2.9, PICMG 2.16
	PICMG 2.9 System Management with IPMI V.1.0
CompactPCI Bus	Stand-alone design without cPCI bus

BIOS

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

I/O Interfaces

Display	C&T 69000 AGP VGA with 2MB VRAM
Ethernet	Dual 10/100Mbps Ethernet ports by Intel 82559
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)
Front Panel I/Os	COM1 (RS-232/management port selectable), PS2 KB+MS (combo), USB, LAN1, LAN2, VGA, PMC
Backplane I/O (rear I/O)	J3: COM1, KB, MS, FDD, IDE1, LAN1 & 2 (PICMG 2.16), J5: COM2, LPT, 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.
Support Operating Systems	Compatible with Microsoft Windows 98SE, Windows XP, Windows NT, Windows 2000, Red Hat 7.2, 7.3, Novell 5.0, QNX 6.2, MontaVista Linux Carrier Grade Edition, and VxWorks 5.5 (The device drivers for Windows are included on the ADLINK CD. For VxWorks BSP or MontaVista LSP, please contact ADLINK.)

Mechanical and Environmental

Form Factor	6U CompactPCI
Dimensions	233mm x 160mm (L x W), 1 slot (4HP) wide
Operating Temp.	0 to 55˚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	3.2A @ +5V, 2.8A @ +3.3V, 144mA @ +12V, 68mA @ +12V
	Configured with mobile Pentium III-850 and 512MB RAM (w/o HDD)
Compliance	CE, FCC Class A

Features

- *PICMG 2.16 CompactPCI Packet Switching Backplane (cPSB) Compliant*
- *PICMG 2.9 System Management Bus Compliant*
- *Mobile Pentium III 850MHz CPU*
- *Two 144-pin SO-DIMM sockets, up to 512MB SDRAM with optional ECC support*
- *Built-in housing for 2.5" low profile HDD*
- *None-PCI stand-alone PICMG 2.16 computing blade implementation*
- *Non-J4 design for PICMG 2.5 H.110 CT backplane*
- *One PMC site for expanding functions*

Ordering Information

cPCI-6765A/P8	6U cPCI Low Power Pentium III-850 none-bus Blade
cPCI-R6765	Rear I/O Transition Module for cPCI-6765
DB-6760CF	CompactFlash Type-II Socket Adaptor for 6760D/ 6765 series

Note 1: Front CPU modules and rear I/O transition modules are sold separately.
Note 2: RAM and HDD are not included in the above models. Please contact us for more integrated options.
Note 3: DB-6760CF are shipped with cPCI-6765A/P8.

Peripheral Connectivity

I/O	cPCI-6765A	cPCI-R6765
	Faceplate	RTM
Serial Port (COM1)	Y (DB-9)	--
Serial Port (COM2)	--	COM2 (RS-232/422/485)
Parallel Port	--	Y (DB-25)
PS/2 Keyboard	Y (PS2, Combo)	Y (PS2)
PS/2 Mouse	Y (PS2, Combo)	Y (PS2)
Floppy	--	--
Ultra DMA 33 Primary IDE	--	--
Ultra DMA 33 Secondary IDE	Y (Board, 44-pin)	--
VGA	Y (DB-15)	Y (DB-15)
USB A	Y	Y
USB B	--	--
32-bit/33MHz PMC interface	Y	--
10/100Mbps Ethernet Port 1	Y (RJ-45, LED)	Y (RJ-45, LED)
10/100Mbps Ethernet Port 2	Y (RJ-45, LED)	Y (RJ-45, LED)
LEDs	Y	--
CompactFlash	Y (CF-II)	--

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