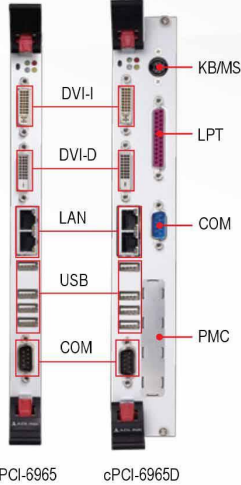


# cPCI-6965 Series

Value 6U CompactPCI® Intel® Core™2 Duo Processor Blade with Dual Independent Displays

6U cPCI Blades



## Features

- Low power Intel® Core™2 Duo 2.2GHz
- Dual Channel DDR2-667 SODIMM, up to 4GB
- Dual independent display (DVI+VGA or DVI+DVI)
- Two egress PCI-Express Gigabit Ethernet ports
- Serial ATA, USB SSD module and CompactFlash storage options

## Specifications

### Processor & System

CPU	<p>µFC-PGA Intel® Core™2 Duo 2.2GHz (T7500), 4MB L2 cache, FSB 800MHz</p> <p>µFC-PGA Intel® Celeron® M 2.0GHz (550), 1MB L2 cache, FSB 533MHz</p>
Chipset	Intel® GME965 with ICH8-M
RAM	Dual Channel DDR2-667 SDRAM with two SO-DIMM sockets, up to 4GB capacity
BIOS	AMIBIOS®8 16Mbit SPI Flash memory
CompactPCI Bus	32-bit/ 33 MHz CompactPCI® Bus
PICMG standard	PICMG® 2.0 CompactPCI R3.0 PICMG® 2.1 Hotswap R2.0

### Connectivity

PMC	One 32-bit/33 MHz PMC site
Ethernet	Two PCI-Express Intel® 82573L Gigabit Ethernet controllers Two egress GbE ports Two additional 10/100/1000BASE-T ports on RTM cPCI-R6111
Graphics	Integrated in GME965 One DVI-D and one DVI-I ports on front panel Analog CRT supports up to 2048x1536 resolution @ 75Hz refresh rate
USB	Four front panel USB 2.0 ports Four rear panel USB 2.0 ports
PS/2	One PS/2 KB/MS Combo Port
Serial Port	Two front panel DB-9 RS-232/422/485/485+ selectable serial ports
Printer port	One front panel printer port
Audio	Mic-in, line-out ports on RTM

### Storage

SBC	<p>One SATA port for 2.5" hard drive direct mounting</p> <p>One 7-pin signal SATA port for external hard drive</p> <p>Optional USB flash disk module, up to 8GB</p> <p>One CompactFlash slot</p>
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RTM	<p>One internal and one external 68-pin SCSI connector by LSI53C1020 SCSI Ultra320 single channel controller (cPCI-R6000-965(D) only)</p> <p>Floppy header onboard</p> <p>One SATA port</p> <p>CF (x1) and SD (x1) sockets</p>
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### Operating System

OS	<p>Microsoft Windows® XP Professional</p> <p>Microsoft Windows® Vista Enterprise</p> <p>Fedora™ 7</p>
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### Miscellaneous

LED	Power, WDT, HDD, General Purpose
Battery	Coin cell lithium battery onboard for RTC CMOS RAM
Hardware Monitor	Integrated in Super I/O IT8712F, monitors CPU temperature, system temperature, Vcore and DC voltages
Watchdog Timer	Integrated in Super I/O IT8712F, two stage watchdog timer

### Mechanical & Environmental

Form Factor	6U 4HP/8HP CompactPCI® 233.33 mm x 160mm (L x W)
Operating Temp.	0°C to +60°C (with forced air flow)
Storage Temp.	-40°C to +85°C
Rel. Humidity	90% @ 60°C (non-condensing)
Shock	15G peak-to-peak, 11ms duration, non-operating
Vibration	1.88 Grms, 5-500Hz, each axis, operating IEC68-2-64 standard
Power Consumption	Core™2 Duo 2.2GHz (T7500), 1GB SODIMM under Windows® XP with 100% CPU loading
	Current(A)      Power(W)
5V	9.4              47
Total	47

### Safety & EMI

Certifications	EN55022 CE, FCC Class A
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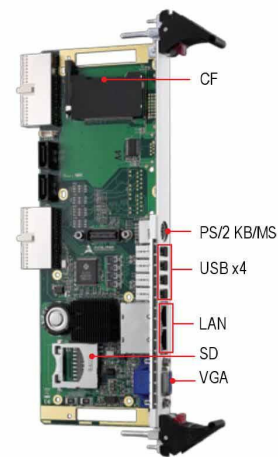
## I/O Table

		GbE	USB 2.0	COM	DVI	VGA	PMC	SATA	SCSI	CF	Mic-in	Line-out	PS/2 KB/MS	FDD	SD	Parallel
<b>SBC</b>																
cPCI-6965	Faceplate	2	4	1	1x DVI-D 1x DVI-I											
	Onboard							2 <sup>(1)</sup>		1						
cPCI-6965D	Faceplate	2	4	2	1x DVI-D 1x DVI-I								1			1
	Onboard						1	2 <sup>(1)</sup>		1						
<b>RTM</b>																
cPCI-R6000-L/ cPCI-R6000-965	Faceplate		2			1			1 (cPCI-R6000-965 only)							
	Onboard							1 (7-pin)	1 (cPCI-R6000-965 only)					1		
cPCI-R6000D-L/ cPCI-R6000-965D	Faceplate		4			1			1 (cPCI-R6000-965D only)		1	1	1			
	Onboard							1 (7-pin)	1 (cPCI-R6000-965D only)					1		
cPCI-R6111	Faceplate	2	4			1							1			
	Onboard							1 (for 2.5" HDD)		1 <sup>(2)</sup>					1	

(1) One 7-pin SATA connector for external HDD and one direct connector for onboard 2.5" HDD.  
 (2) Converted from USB

## Ordering Information

Model Number	Description/Configuration
<b>CPU Board</b>	
cPCI-6965/550/M512	4HP (single slot) 6U CompactPCI® Celeron® 2.0GHz (550) processor blade and 512MB SODIMM
cPCI-6965/T75/M2G	4HP 6U CompactPCI® Core™2 Duo 2.2GHz (T7500) processor blade and 2x 1GB SODIMM
cPCI-6965D/550/M512	8HP 6U CompactPCI® Celeron® 2.0GHz (550) processor blade and 512MB SODIMM
cPCI-6965D/550/M1G	8HP (dual slot) 6U CompactPCI® Celeron® 2.0GHz (550) processor blade and 2x 512MB SODIMM
cPCI-6965D/T75/M1G	8HP 6U CompactPCI® Core™2 Duo 2.2GHz (T7500) processor blade and 2x 512MB SODIMM
cPCI-6965D/T75/M2G	8HP 6U CompactPCI® Core™2 Duo 2.2GHz (T7500) processor blade and 2x 1GB SODIMM
cPCI-6965D/T75/M4G	8HP 6U CompactPCI® Core™2 Duo 2.2GHz (T7500) processor blade and 2x 2GB SODIMM
cPCI-6965DZ/T75/M2G	8HP 6U CompactPCI® Core™2 Duo 2.2 GHz (T7500) processor blade and 2x 1GB SODIMM, without J3, J5 cPCI connectors
<b>Rear Transition Module</b>	
cPCI-R6000-965	4HP Rear Transition Module for cPCI-6965(D) series with 2x USB, VGA, FDD, SATA and SCSI
cPCI-R6000-965D	8HP Rear Transition Module for cPCI-6965(D) series with 4x USB, VGA, FDD, SATA, Min-in, Line-out, PS/2 and SCSI
cPCI-R6000-L	4HP Rear Transition Module for cPCI-6965(D) series with 2x USB, VGA, FDD, SATA without SCSI
cPCI-R6000D-L	8HP Rear Transition Module for cPCI-6965(D) series with 4x USB, VGA, FDD, SATA, Mic-in, Line-out, PS/2 without SCSI
cPCI-R6111	4HP Rear I/O module with GbE x2, USB x4, SATA, VGA, PS/2, CF, SD



cPCI-R6111