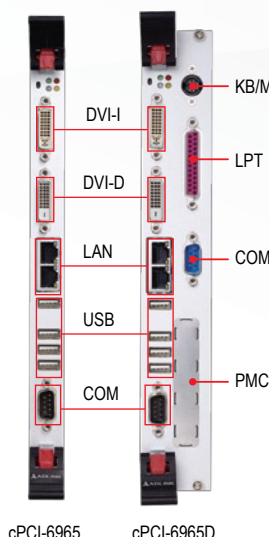


cPCI-6965 Series

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



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	μFC-PGA Intel® Core™2 Duo 2.2GHz (T7500), 4MB L2 cache, FSB 800MHz μFC-PGA Intel® Celeron® M 2.0GHz (550), 1MB L 2 cache, FSB 533MHz
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 Standards	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 from Intel® 82576EB 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 Analog CRT signal routed to RTM, mirror display with front VGA
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	One SATA port for 2.5" hard drive direct mounting One 7-pin signal SATA port for external hard drive Optional USB flash disk module, up to 8GB One CompactFlash slot
RTM	Available interfaces dependent on RTM model selected

Operating System

OS	Microsoft Windows® XP Professional Microsoft Windows® Vista Enterprise Microsoft Windows® 7 Fedora™ 7
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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
Weight	Net weight 677.5g with heatsink	

Safety & EMI

Certifications	EN55022 CE, FCC Class A
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I/O Table

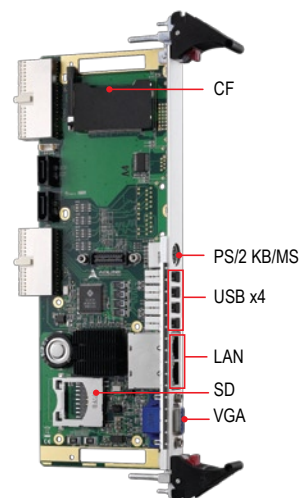
		GbE	USB 2.0	COM	DVI	VGA	PMC	SATA	CF	Mic-in	Line-out	PS/2 KB/MS	SD	Parallel
SBC														
cPCI-6965	Faceplate	2	4	1	1x DVI-D 1x DVI-I									
	Onboard							2 ⁽¹⁾	1					
cPCI-6965D	Faceplate	2	4	2	1x DVI-D 1x DVI-I							1		1
	Onboard						1	2 ⁽¹⁾	1					
RTM														
cPCI-R6000-L	Faceplate		2			1								
	Onboard							1 (7-pin)						
cPCI-R6000D-L	Faceplate		4			1				1	1	1		
	Onboard							1 (7-pin)						
cPCI-R6111	Faceplate	2	4			1						1		
	Onboard							1 (for 2.5" HDD)	1 ⁽²⁾				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
CPU Board	
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
Rear Transition Module	
cPCI-R6000-L	4HP Rear Transition Module for cPCI-6965(D) series with 2x USB, VGA, SATA without SCSI
cPCI-R6000D-L	8HP Rear Transition Module for cPCI-6965(D) series with 4x USB, VGA, 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