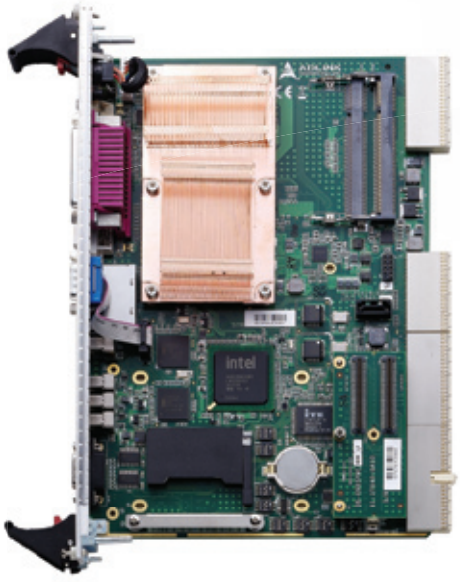
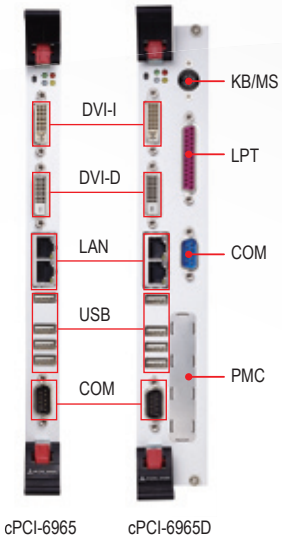
cPCI-6965 Series

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 ICH8M
RAM	Dual Channel DDR2-667 SDRAM with two SO-DIMM sockets, up to 4GB capacity
BIOS	AMI® Core 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
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	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	One internal and one external 68-pin SCSI connector by LSI53C1020 SCSI Ultra320 single channel controller (cPCI-R6000-965(D) only)
	Floppy header onboard

Operating System

OS	Microsoft Windows® XP Professional
	Microsoft Windows® Vista Enterprise
	Fedora™ 7

Miscellaneous

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

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Mechanical & Environmental

Form Factor	6U 4HP/8HP CompactPCI®
	100 mm x 160mm (L x W)
Operating Temp.	0 to 55°C (with forced air flow)
Storage Temp.	-40 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

I/O Table

	cPCI-6965 (4HP)		cPCI-6965D (8HP)		cPCI-R6000L/ cPCI-R6000-965(4HP)		cPCI-R6000L-D/ cPCI-R6000-965D(8HP)	
Function	**Face-plate**	**Onboard**	**Face-plate**	**Onboard**	**Face-plate**	**Onboard**	**Face-plate**	**Onboard**
GbE	Y x2	-	Y x2	-	-	-	-	-
USB 2.0	Y x4	-	Y x4	-	Y x2	-	Y x4	-
DVI-D	Y	-	Y	-	-	-	-	-
DVI-I	Y	-	Y	-	-	-	-	-
VGA	-	-	-	-	Y	-	Y	-
COM	Y	-	Y x2	-	-	-	-	-
SATA	-	Y x2	-	Y x2	-	Y	-	Y
CF	-	Y	-	Y	-	-	-	-
PS/2 KB/MS	-	-	Y	-	-	-	Y	-
Floppy	-	-	-	-	-	Y	-	Y
SCSI	-	-	-	-	Y (cPCI-R6000-965 only)	Y (cPCI-R6000-965 only)	Y (cPCI-R6000-965D only)	Y (cPCI-R6000-965D only)
Parallel	-	-	Y	-	-	-	-	-
Mic-in	-	-	-	-	-	-	Y	-
Line-out	-	-	-	-	-	-	Y	-
LED	Y x4	-	Y x4	-	-	-	-	-
Reset Button	Y	-	Y	-	-	-	-	-

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-R6000-965	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-R6000L	4HP Rear Transition Module for cPCI-6965(D) series with 2x USB, VGA, FDD, SATA without SCSI
cPCI-R6000L-D	8HP Rear Transition Module for cPCI-6965(D) series with 4x USB, VGA, FDD, SATA, Mic-in, Line-out, PS/2 without SCSI