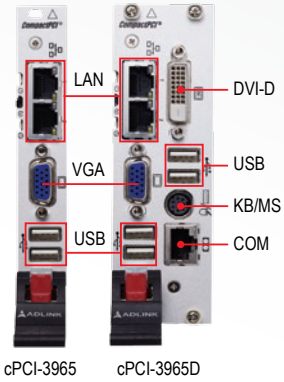
cPCI-3965 Series

Low Power 3U CompactPCI® Intel® Core™2 Duo Processor Blade with Dual Independent Display

3U cPCI Blades





Features

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

Specifications

Processor & System

CPU	µFC-PGA Intel® Core™2 Duo 2.2GHz (T7500), 4MB L2 cache, FSB 800MHz
	µFC-BGA Intel® Core™2 Duo LV 1.6GHz (L7500), 4MB L2 cache, FSB 800MHz
	µFC-PGA Intel® Celeron® 2.0GHz (550), 1MB L2 cache, FSB 533MHz
Chipset	Intel® GME965 with ICH8M
RAM	Dual Channel DDR2-667 unbuffered memory 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 Hot Swap R2.0

Connectivity

Ethernet	Two PCI-Express Intel® 82573L Gigabit Ethernet controllers
	Two GbE egress ports, one configurable to rear by software
Graphics	Integrated in GME965
	One analog VGA port on front panel, supports up to 32bit, 2048x1536 resolution @ 75Hz refresh rate
	One DVI-D front port
USB	Maximum six USB 2.0 ports
	Four front panel USB 2.0 ports, two USB 2.0 ports on RTM
PS/2	One PS/2 KB/MS Combo Port
Serial Port	One RJ-45 RS-232 port on front panel, and one DB-9 RS-232 (Tx, Rx only) port on rear panel

Storage

SBC	One SATA port for 2.5" hard drive onboard
	One CompactFlash socket
RTM	Two 7-pin SATA ports on RTM for external hard drives

Operating System

OS	Microsoft Windows® XP Professional
	Microsoft Windows® Vista Enterprise
	Microsoft Windows® 7
	Fedora™ Core 7
	Fedora™ 9
	Red Hat Enterprise Linux 6
	Wind River VxWorks 6.6, 6.7

Miscellaneous

LED	Power, WDT
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, 1 to 15300 sec.

Mechanical & Environmental

Form Factor	3U 4HP/8HP CompactPCI®
	100 mm x 160mm (L x W)
Operating Temp.	0°C to +60°C standard (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	1.88Grms, 5-500Hz, each axis, operating
	IEC68-2-64 standard
Power Consumption	Core™2 Duo 2.2GHz (T7500), 2x 2GB SODIMM under Windows® XP with 100% CPU loading

	Current (A)	Power (W)
5V	6.2	31.0
3.3V	0.7	2.3
Total		33.3

Weight	Net weight 602.5g in dual slot with heatsink

Safety & EMI

Certifications	CE, FCC Class A

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I/O Table

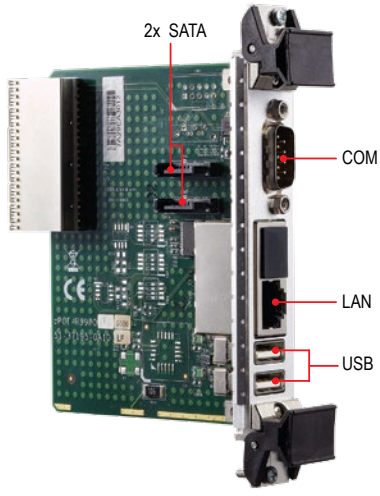
		GbE	USB 2.0	VGA	DVI-D	COM	SATA	CF	PS/2 KB/MS	LED	Reset Button
SBC											
cPCI-3965(4HP)	**Faceplate**	2	2	1 (DB-15)						2	1
	Onboard							1			
cPCI-3965D(8HP)	**Faceplate**	2	4	1 (DB-15)	1	1 (RJ-45)			1	2	1
	Onboard						1 (for 2.5" HDD)	1			
RTM											
cPCI-R3920(T)-1	**Faceplate**	1*	2			1 (DB-9)					
	Onboard						2 (7-pin)				

Note* : Switched from front GbE port by BIOS

Ordering Information

Model Number	Description/Configuration
Processor Blades	
cPCI-3965D/T75/M4G	8HP 3U CompactPCI® with Core™2 Duo 2.2GHz (T7500) processor and 2x 2GB SODIMM
cPCI-3965D/L75/M2G	8HP 3U CompactPCI® with Core™2 Duo 1.6GHz (L7500) processor and 2x 1GB SODIMM
Rear Transition Modules	
cPCI-R3920-1	4HP Rear Transition Module for cPCI-3965(D), 50mm depth
cPCI-R3920T-1	4HP Rear Transition Module for cPCI-3965(D), 80mm depth

Contact us for more CPU, memory & HDD options.



cPCI-R3920T-1