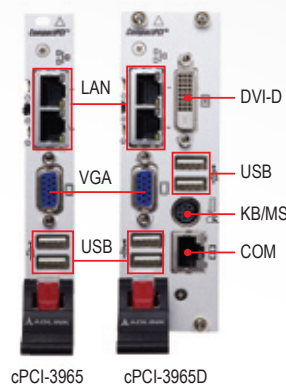


cPCI-3965 Series

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

3U cPCI SBC



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	<ul style="list-style-type: none"> µFC-PGA Intel® Core™2 Duo 2.2GHz (T7500), 4MB L2 cache, FSB 800MHz µFC-PGA 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 non-ECC memory 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	<ul style="list-style-type: none"> PICMG® 2.0 CompactPCI R3.0 PICMG® 2.1 Hot Swap R2.0

Connectivity

Ethernet	<ul style="list-style-type: none"> Two PCI-Express Intel 82573L Gigabit Ethernet controllers Two GbE egress ports, one configurable to rear by software
Graphics	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 (TTL level) port on rear panel

Storage

SBC	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Microsoft Windows® XP Professional Microsoft Windows® Vista Enterprise Fedora™ Core 7
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Miscellaneous

LED	Power, WDT
Battery	Coin cell Lithium Battery onboard for RTC CMOS RAM for BIOS configuration
Hardware monitoring	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, 1 to 15300 sec.

Mechanical & Environmental

Form Factor	3U 4HP/8HP CompactPCI® 100 mm x 160mm (L x W)												
Operating Temp.	0 to 60°C standard (with forced air flow) -20 to 70°C extended temperature (optional)												
Storage Temp.	-40 to 85°C												
Rel. Humidity	90% @ 60°C (non-condensing)												
Shock	15G peak-to-peak, 11ms duration, non-operating												
Vibration	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												
	<table border="1"> <thead> <tr> <th></th> <th>Current(A)</th> <th>Power(W)</th> </tr> </thead> <tbody> <tr> <td>5V</td> <td>6.2</td> <td>31.0</td> </tr> <tr> <td>3.3V</td> <td>0.7</td> <td>2.3</td> </tr> <tr> <td>Total</td> <td></td> <td>33.3</td> </tr> </tbody> </table>		Current(A)	Power(W)	5V	6.2	31.0	3.3V	0.7	2.3	Total		33.3
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Safety & EMI

Certifications	CE, FCC Class A
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I/O Table

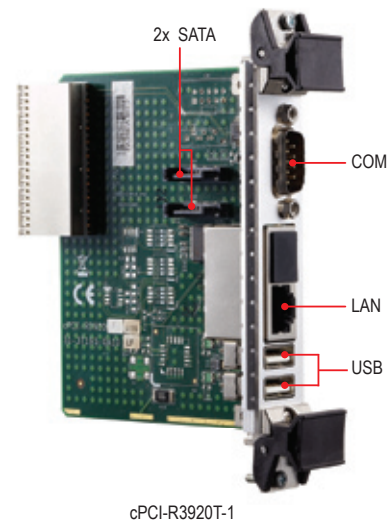
Function	cPCI-3965 (4HP)		cPCI-3965D (8HP)		cPCI-R3920(T)-1	
	Face-plate	Onboard	Face-plate	Onboard	Face-plate	Onboard
GbE	Y x2		Y x2		Y*	
USB 2.0	Y x2		Y x4		Y x2	
VGA	Y (DB-15)		Y (DB-15)			
DVI-D			Y			
COM			Y (RJ-45)		Y (DB-9)	
SATA				Y		Y x2 (7-pin)
CF		Y		Y		
PS/2 KB/MS			Y			
LED	Y x2		Y x2			
Reset Button	Y		Y			

Note: * Switched from front GbE port by BIOS

Ordering Information

Model Number	Description/Configuration
CPU Board	
cPCI-3965/550/M1G	4HP 3U CompactPCI® with Celeron® 2.0GHz (550) processor and 2x 512MB SODIMM
cPCI-3965/T75/M1G	4HP 3U CompactPCI® with Core™2 Duo 2.2GHz (T7500) processor and 2x 512MB SODIMM
cPCI-3965/T75/M2G	4HP 3U CompactPCI® with Core™2 Duo 2.2GHz (T7500) processor and 2x 1GB SODIMM
cPCI-3965D/T75/M2G	8HP 3U CompactPCI® with Core™2 Duo 2.2GHz (T7500) processor and 2x 1GB SODIMM
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 Module	
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