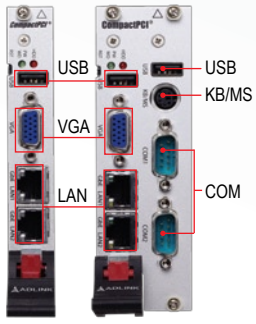
cPCI-3915 Series

3U CompactPCI® Intel® Pentium® M/Celeron® M Processor Blade with Dual Gigabit Ethernet





cPCI-3915A cPCI-3915B

Features

- Low power Intel® Celeron® M/Pentium® M processor up to 2.0 GHz
- Single SODIMM socket DDR2 400/533 MHz, up to 2 GB
- Dual PCI-Express® Gigabit Ethernet
- Multiple storage interfaces: Serial ATA , IDE, CompactFlash®
- Supports high resolution display interfaces: VGA, DVI and LVDS
- Extended temperature option

EXTENDED TEMPERATURE

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Specifications

Processor & System

CPU	µFC-PGA Intel® Pentium® M 2.0 GHz, 2 MB L2 cache, 533MHz FSB
	µFC-PGA Intel® Pentium® M 1.8GHz, 2 MB L2 cache, 400MHz FSB,
	µFC-PGA Intel® Pentium® M 1.6GHz, 1 MB L2 cache, 400MHz FSB
	µFC-BGA Intel® Pentium® M LV 1.4 GHz, 1 MB L2 cache, 400MHz FSB
	µFC-PGA Intel® Celeron® M 1.5 GHz, 1 MB L2 cache, 400MHz FSB
	µFC-BGA Intel® Celeron® M ULV 1.0 GHz, 512 KB L2 cache, 400MHz FSB
Chipset	Intel® 915GME GMCH with ICH6
RAM	Single un-buffered, non-ECC, DDR2-400/533 SODIMM, up to 2GB
BIOS	Award 4 Mb flash memory
CompactPCI Bus	32-bit/33 MHz CompactPCI® Bus, universal V(I/O)
PICMG Standards	PICMG® 2.0 CompactPCI® R3.0
	PICMG® 2.1 Hot Swap R2.0

Connectivity

Ethernet	Two PCI-Express Marvel 88E8071 Gigabit Ethernet controllers
	Two egress Gigabit Ethernet ports
Graphics	Integrated in Intel® 915GME chipset
	Analog RGB on front panel for up to 2048x1536 resolution
	DVI-I port on rear panel with analog and digital signal
	1x18bps LVDS port on RTM
USB	Three USB 2.0 ports, two on front panel, one on rear panel
PS/2	One PS/2 KB/MS Combo Port
Serial Port	Two DB-9 connectors (COM 1 & 2) on front panell
	COM2 also routed to RTM and supports RS-232/422/485/485+ by jumper setting

Storage

SBC	44-pin IDE port for 2.5" HDD (8HP version only)
	7-pin SATA port for 2.5" HDD (8HP version only)
	CompactFlash slot
RTM	One 7-pin SATA port for external HDD

Operating System

OS	Microsoft® Windows® 2000
	Microsoft® Windows® XP
	Microsoft® Windows® Server 2003
	Red Hat® Fedora™ Core 4 & 5
	Wind River VxWorks 6.6

Miscellaneous

LED	HDD, Power/WDT
Battery	Coin cell lithium battery onboard for RTC CMOS RAM
Hardware Monitor	Integrated in IT8712F, monitors CPU temperature, system temperature, Vcore and DC voltages
WatchDog Timer	Integrated in IT8712F, two stage, 1 to 255 sec or1 to 255 min

Mechanical & Environmental

Form Factor	3U 4HP/8HP CompactPCI®
	100 mm x 160 mm (L x W)
Operating Temp.	0˚C to +60˚C with external air flow
	-20˚C to +75˚C extended temperature (optional)
Storage Temp.	-40˚C to +85˚C
Rel. Humidity	95% non-condensing
Shock	15 G peak-to-peak, 11 ms duration, non-operation
Vibration	Operating: 0.5 G-rms, 5-500 Hz, each axis
	Non-operating: 1.88 G-rms, 5-500 Hz, each axis
Power Consumption	Typical 30 W (5 V @ 3.1 A, 3.3 V @ 4.4 A)
	Full-load 45 W (5 V @ 5.8 A, 3.3 V @ 4.6 A) with Pentium® M 1.8 G, 512 MB DDR2, 20 GB IDE HDD, 512 MB CF, under Windows® XP
Weight	Net weight 542.5g in dual slot with heatsink

Safety & EMI

Certifications	CE, FCC Class A

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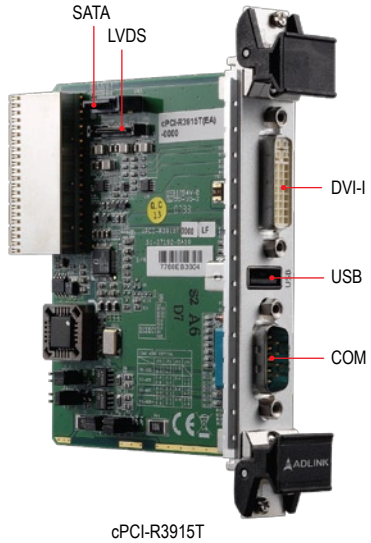
I/O Table

		CRT	DVI	LVDS	LAN	USB	PS/2 KB/MS	COM 1	COM 2	SATA	PATA	CF	LED	Reset Button
SBC														
cPCI-3915A	**Faceplate**	1 (DB-15)			2 (RJ-45)	1							1	1
	Onboard									1	1 (44-pin)	1		
cPCI-3915B	**Faceplate**	1 (DB-15)			2 (RJ-45)	2	1 (Combo)	1 (DB-9)	1 (DB-9)				1	1
	Onboard									1	1 (44-pin)	1		
RTM														
cPCI-R3915(T)	**Faceplate**		1 (DVI-I)			1			1 (DB-9)					
	Onboard			1						1 (7-pin)				

Ordering Information

Model Number	Description/Configuration
CPU Board	
cPCI-3915A/CM15/M512	1-slot 3U cPCI with Celeron® M 1.5GHz processor and 512MB DDR2 SODIMM
cPCI-3915B/PM20/M2G	2-slot 3U cPCI with Pentium® M 2.0GHz processor and 2GB DDR2 SODIMM
cPCI-3915A-ULV/C10/M512	1-slot 3U cPCI with soldered ultra low voltage Celeron® M 1.0GHz processor and 512MB DDR2 SODIMM
cPCI-3915A-LV/P14/M1G	1-slot 3U cPCI with soldered Low voltage Pentium® M 1.4GHz processor and 1GB DDR2 SODIMM
Rear Transition Module	
cPCI-R3915	Rear Transition module for cPCI-3915, 50 mm
cPCI-R3915T	Rear Transition Module for cPCI-3915, 80 mm

Contact us for more CPU, memory & HDD options.



cPCI-R3915T