

cPCI-3915

3U CompactPCI Intel® Pentium® M / Celeron® M Processor SBC with Dual GbE on PCI-Express ❖



Features

- Low power consumption Intel® Pentium® M processor with 2MB L2 cache, up to 2.26GHz
- Single SODIMM socket DDR2 400/533 MHz, up to 1GB
- Dual Gigabit Ethernet ports on PCI-Express bus
- Multiple storage interfaces: Serial ATA, IDE, CompactFlash
- Supports high resolution, dual channel, multiple display interfaces: CRT (up to 2048 x 1536), DVI (up to 600MB/s), and LVDS (1 x 18 bpp)
- Up to 3 USB 2.0 ports, 2 on the front panel, and the other 1 on the rear panel

Ordering Information

cPCI-3915A	1-slot 3U Pentium M SBC with dual GbE, single USB, and CRT output
cPCI-3915B	2-slot 3U Pentium M SBC with dual GbE, dual USB, dual COM, and CRT output
cPCI-R3915	Rear Transition module for cPCI-3915

Rear I/O Transition Modules

	cPCI-3915		cPCI-R3915	
	Faceplate	On-board	Faceplate	On-board
CRT	Y (DB-15)	--	--	--
DVI	--	--	Y (DVI-I)	--
LVDS	--	--	--	Y
LAN	Y (RJ-45) x 2	--	--	--
USB	Y x 2	--	Y x 1	--
PS2	Y (Combo)	--	--	--
COM	Y (DB-9) x 2	--	Y (DB-9)	--
SATA	--	Y	--	Y
PATA	--	Y (44-pin)	--	--
CF	--	Y	--	--
Reset	Y	--	--	--
LEDs	Y	--	--	--

Specifications

CPU / Chipset / RAM

CPU	Intel® Pentium® M processor up to 2MB L2 Cache Intel® Celeron® M processor up to 1MB L2 Cache
FSB	400/533MHz
Chipset	Intel 915GM (Grantsdale-GM) GMCH with ICH6
RAM	Support single un-buffered, non-ECC, DDR2 SODIMM, 400/533MHz Maximum 1GB System Memory

Bus

Standards	PICMG 2.0 R3.0, 2.1 R2.0
CompactPCI Bus	32-bit/33 MHz PCI bus

BIOS

Chip	Award 4Mb flash memory
Features	Intel PXE pre-boot on Ethernet Serial Console

I/O Interfaces

Display	Intel® 915GM Integrated Graphics
Ethernet	Dual Marvell 88E8052 Gigabit Ethernet Controllers based on PCI-Express x1 bus
IDE	Ultra ATA 100/66/33, primary IDE 44-pin and CompactFlash slot
USB	Three USB 2.0 ports, two on the front panel, and the other one on the rear panel
Serial Port	Two DB-9 connectors on the front panel
Serial ATA	Two onboard SATA connectors, one is on the front board and the other is on the RTM
KB/MS	One PS2 KB/MS Combo Port
Front Panel I/Os	COM x 2, LAN x 2, DB-15, USB x 2, PS2 KB/MS (Combo)
CF	One on-board CompactFlash Socket
Backplane I/Os	USB, COM2, DVI

Mechanical and Environmental

Form Factor	3U CompactPCI
Dimensions	100mm x 160mm (L x W), 1 or 2 slots width
Operating Temp.	0 to 60°C
Storage Temp.	-20 to 80°C
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88G rms, 5-500Hz, each axis Operation: 0.5G rms, 5-500Hz, each axis
Certificate or Test	CE, FCC Class A

Other Features

Operating System Compatibility	Windows 2000/XP, Red Hat Linux
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1
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2
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3
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4
3U cPCI
SBC

5
3U cPCI
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6
SBC & IMB

7
Industrial
Chassis

8
Computer
On Modules

9
Network
Appliance

10
IPC
Accessories