



Product Information

CompactPCI® Tualatin CPU • CC7-JAZZ

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*Alternatively equipped with the Intel® 0.13µ Tualatin-Celeron® or -Pentium® III 1.26GHz processor, the CC7-JAZZ is a powerful 3U (single size Eurocard) CPU board, well suitable for any *CompactPCI*® systems.*

The board is provided with the chipset 815G, which contains an embedded graphics controller. The DVI-I interface allows for attachment of both, advanced (digital) and legacy (analog) flat panel displays and CRT monitors.

The on-board USB-port is an universal interface to a variety of peripheral devices.

For high speed networking, the CC7-JAZZ is provided with a 1000Mbps Gigabit Ethernet twisted pair jack. All connectors mentioned above are comfortably available from the cards front panel.




As a mass storage interface, the CC7-JAZZ provides an Ultra ATA/66 connector, suitable for hard disk drives and CD-ROM. A receptacle for Compact-FLASH cards allows utilization of silicon disks. The main memory is a SO-DIMM 144 form factor module up to 512MB/PC133. The jumperless board can be used with a FSB and memory clock of up to 133MHz.

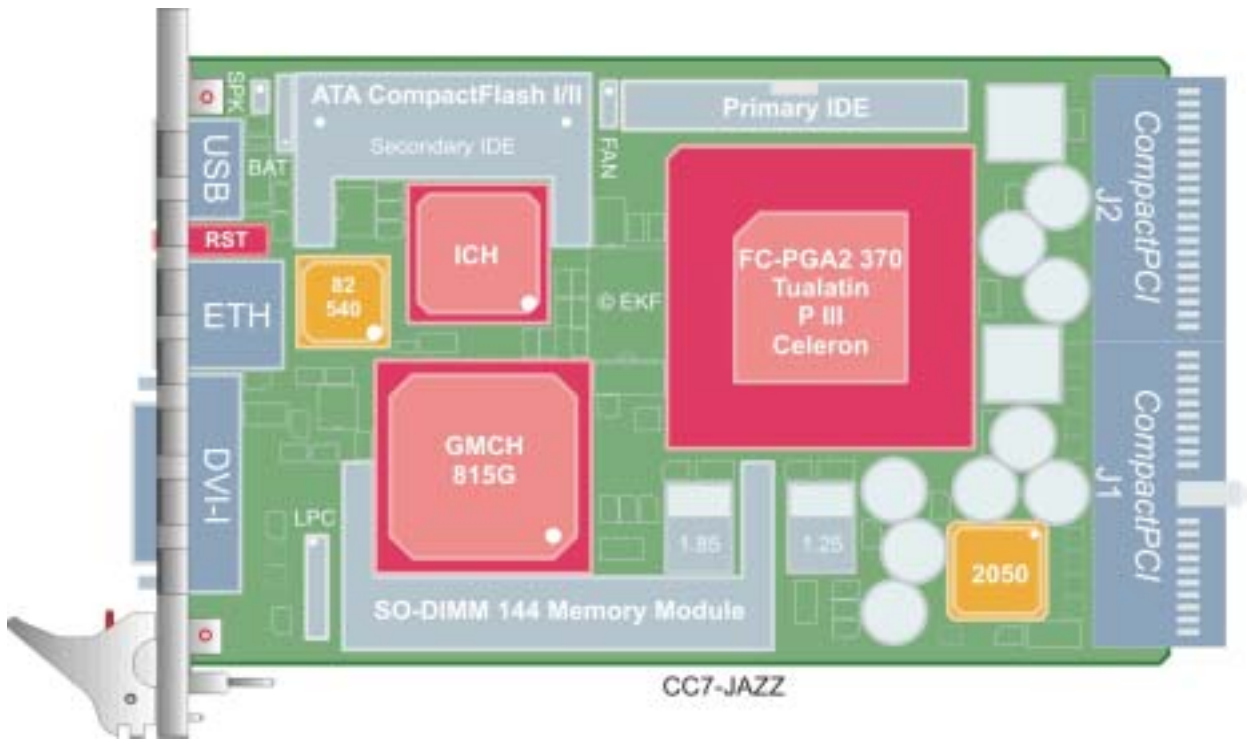
Equipped with a PCI-bridge chip, the CC7-JAZZ offers a full CPCI interface for reliable system expansion.

Especially designed for embedded systems applications, the *General Software* BIOS source code is maintained by EKF. So custom specific enhancements can be realized instantly.

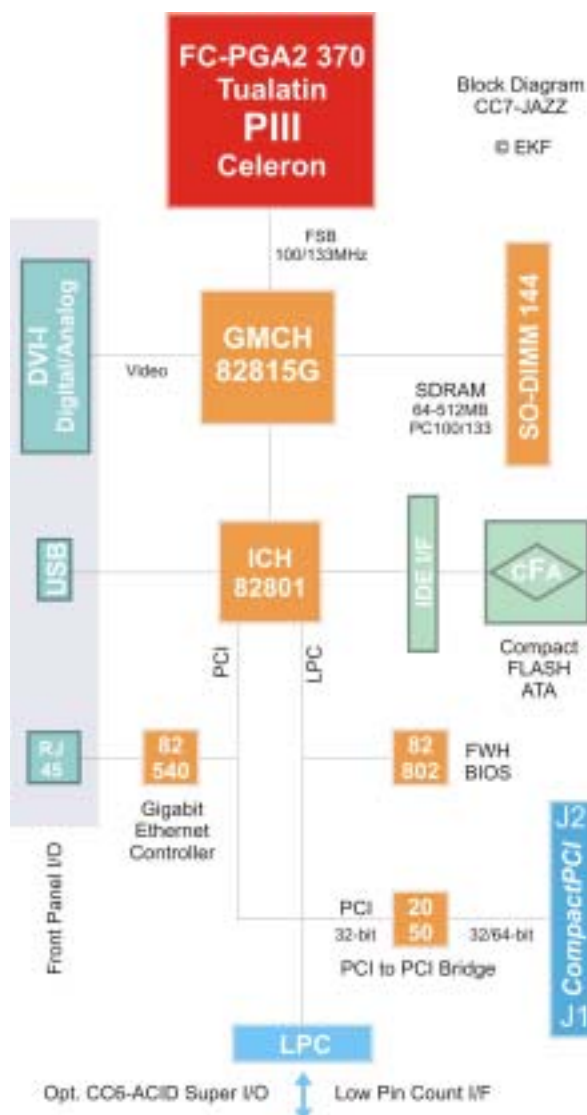
Feature Summary CC7-JAZZ

Form Factor	Single size <i>CompactPCI</i> style Eurocard (160x100mm ²), front panel width 4HP (20.3mm)
Processor	Designed for Intel® Celeron® and Pentium® III FC-PGA2 processors (Tualatin 0.13µ generation)
Chipset	i815G chipset consisting of: <ul style="list-style-type: none"> • 82815 Graphics/Memory Controller Hub (GMCH) • 82801 I/O Controller Hub (ICH) • 82802 Firmware Hub (FWH)
Memory	<ul style="list-style-type: none"> • 144-pin SO-DIMM socket, module height 1.15" (30mm) max. • Support for up to 512MB, PC133, non ECC, unbuffered SDRAM • Support for serial presence detect (SPD) and non-SPD SO-DIMMs
Video I/O	Analog monitor and digital flat-panel display support by DVI-I connector (front panel), up to 1280x1024 pixel 16M colors 85Hz refresh rate, incorporates PanelLink Digital technology (Silicon Image) 
USB I/O	Single type A connector (front panel), USB1.1, data transfer rate of up to 12Mbit/s
Ethernet I/O	10/100/1000Mbps Gigabit Ethernet controller, 82540 chip, RJ45 connector available from the front panel
Legacy I/O	LPC Super-I/O interface connector, CC6-ACID companion board with Super-I/O controller available
IDE/ATA	<ul style="list-style-type: none"> • Ultra ATA/66 40-pin connector (primary IDE) • CompactFlash socket for CFA ATA cards (secondary IDE)
<i>CompactPCI</i>	32-bit, 33.3MHz, PCI bridge chip Texas Instruments PCI2050, 133MBps CPCI master
BIOS	General Software Embedded 2000 BIOS, 2..8Mbit Flash Memory
Power Requirements	<ul style="list-style-type: none"> +5V ± 0.25V 5.8A max. +3.3V ± 0.1V 2.2A max. (CC7-1) 2.4A max. (CC7-2) +12V ± 0.5V 0.45A max.

Component Assembly CC7-JAZZ (Top View)



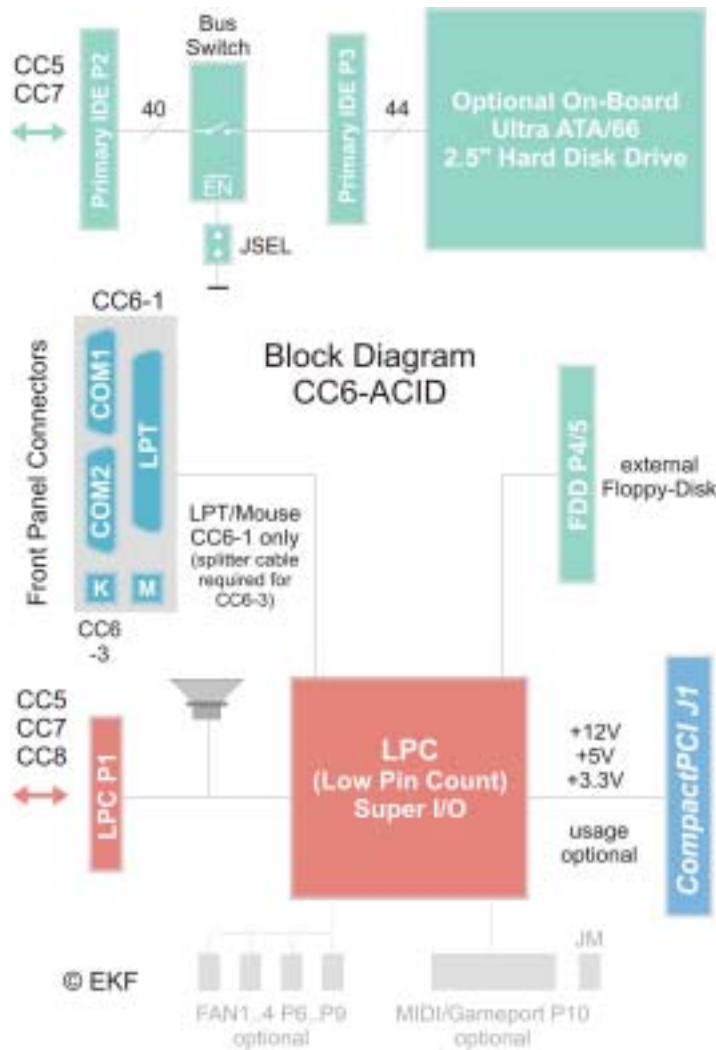
Block Diagram CC7-JAZZ



Available as a companion board to the CC7-JAZZ, the CC6-ACID is provided with several legacy I/O ports. This module can be mounted either to the bottom side or on top of the CC7-JAZZ and communicates across the LPC (Low Pin Count) interface. The CC6-ACID will be required only if the classical interfaces, e.g. serial and parallel port remain in use in a given application.

As an option, the CC6-ACID can be delivered with an on-board 2.5" hard disk drive, resulting in a very compact system. The connectors COM1/2, LPT, mouse and keyboard are situated at the front panel (4HP and 8HP versions available), while an external floppy disk drive can be attached via the on-board pin header.

Block Diagram CC6-ACID



Ordering Information		
Alias	Ordering No.	Short Description
JAZZ	CC7-1-JAZZ	3U Celeron 1.2GHz Tualatin CPU, 256MB SDRAM, 256KB cache, 100MHz FSB
JAZZ	CC7-2-JAZZ	3U Pentium III 1.26GHz Tualatin CPU, 256MB SDRAM, 512kB cache, 133MHz FSB
	CC7-8-JAZZ	512MB SDRAM option
ACID	CC6-1-ACID	3U Super-I/O module, local expansion board complementing the CC7-JAZZ, front panel 8HP, mounting on top of the CC7-JAZZ
ACID	CC6-3-ACID	Similar to the CC6-1-ACID, front panel 4HP, w/o parallel port, mouse/keyboard combined in one Mini-DIN connector (external splitter cable available as accessory), mounting on top or to the bottom side of the CC7-JAZZ
	CC6-8-HDK	Optional hard disk drive, on-board mounting on top of the CC6-1 and CC6-3
	CR9-1-ADAPT	mechanical kit, expands the CC7 front panel to 6U full height
	280.7.400	external keyboard/mouse Y-splitter-cable Mini-DIN male to 2 x Mini-DIN female (required for CC6-3 only)
	908.51.02.01	DVI-D to DVI-D cable assembly, 2m, connects the CC7-JAZZ to DVI monitors (digital way)
	908.57.02.01	DVI-I to HD DSUB15 cable assembly, 2m, connects the CC7-JAZZ to VGA monitors (analog way)
	908.57.12.01	DVI-I to VGA adapter (plug to receptacle), to be plugged onto the CC7-JAZZ DVI output, with HD DSUB15 socket, suitable especially for analog monitors with attached VGA cable

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