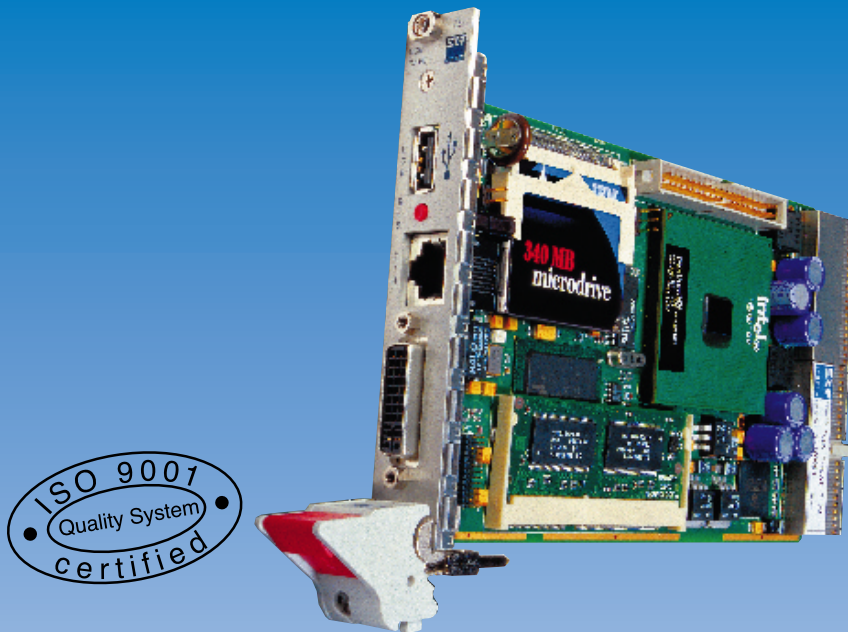




CC5-RAVE

CompactPCI® CPU • FC-PGA 370



Likewise equipped with a Celeron® or Pentium-III® processor, the CC5-RAVE is a powerful 3U (single size Eurocard) CPU board, well suitable for any **CompactPCI®** systems.

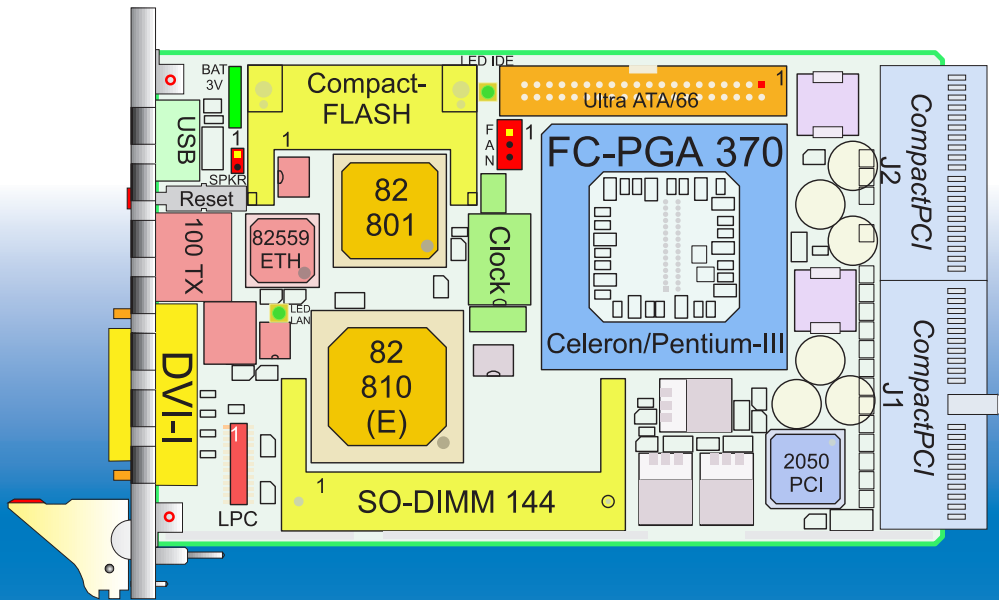
The board is provided with the chip set 810(E), which contains an embedded graphics controller. The DVI-I interface allows for attachment of both, advanced and legacy flat panel

displays and CRT monitors. The on-board USB-port is an universal interface to a variety of peripheral devices, as keyboard, mouse, printer, modem, or video camera. For high speed networking, the CC5-RAVE is provided with a 10/100Mbps Fast Ethernet twisted pair jack. All connectors mentioned above are comfortably available from the cards front panel.

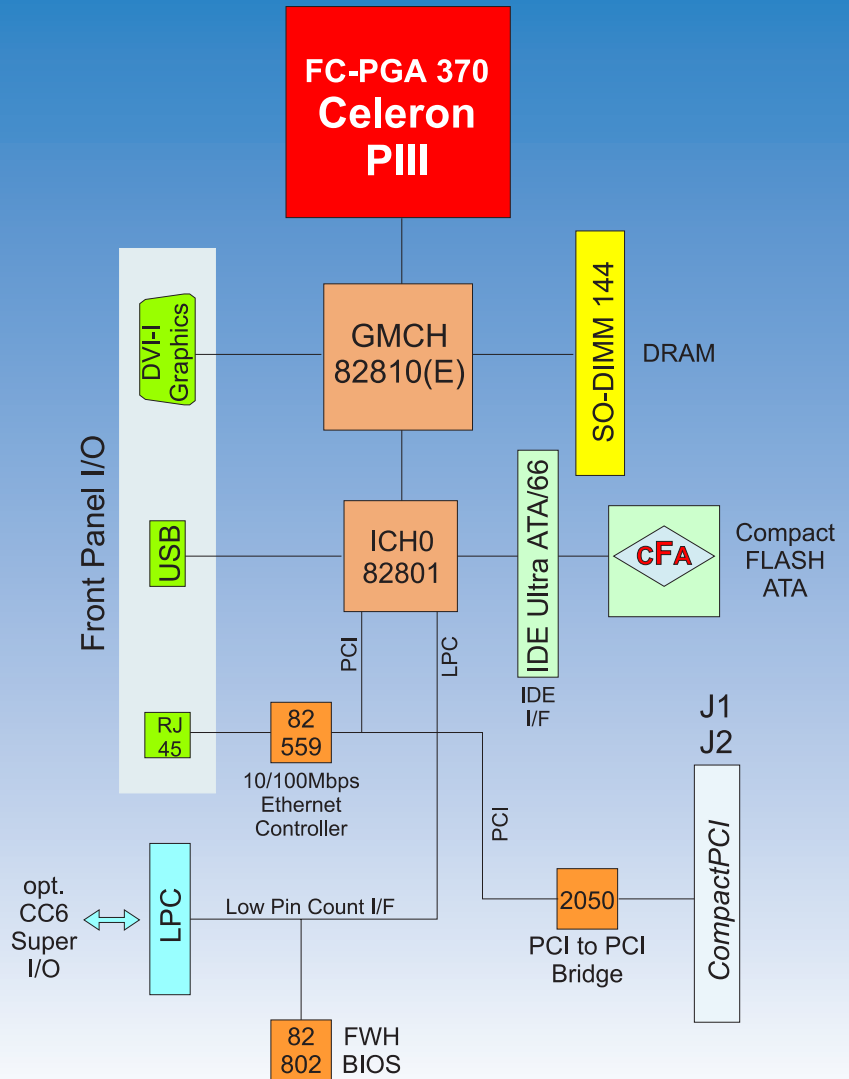
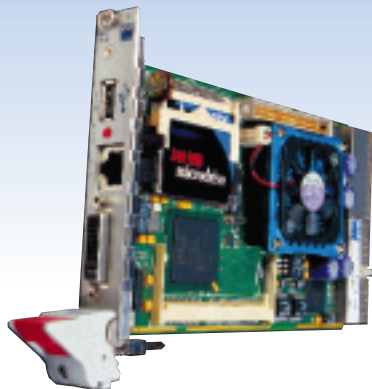
As a mass storage interface, the CC5-RAVE provides for an Ultra ATA/66 connector, suitable for any EIDE harddisk and CD-ROM.

A receptacle for Compact-FLASH cards allows utilization of silicon disks. The main memory is a SO-DIMM 144 form factor module. The jumperless board can be used with a front-side bus clock of up to 100(133)MHz.

CC5-RAVE

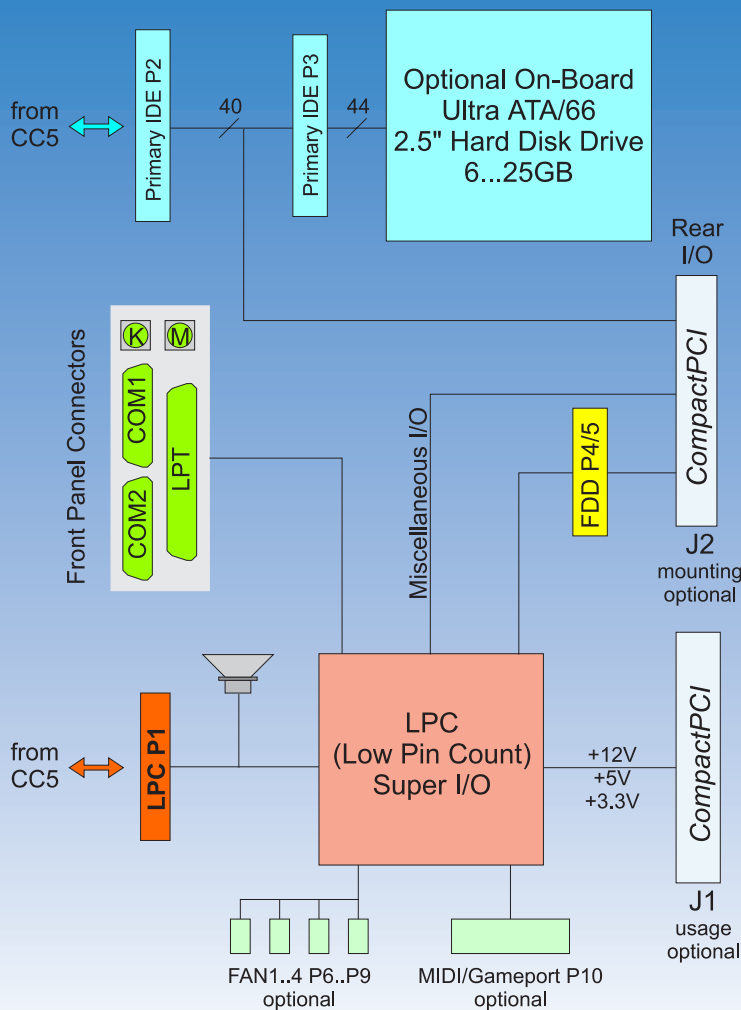
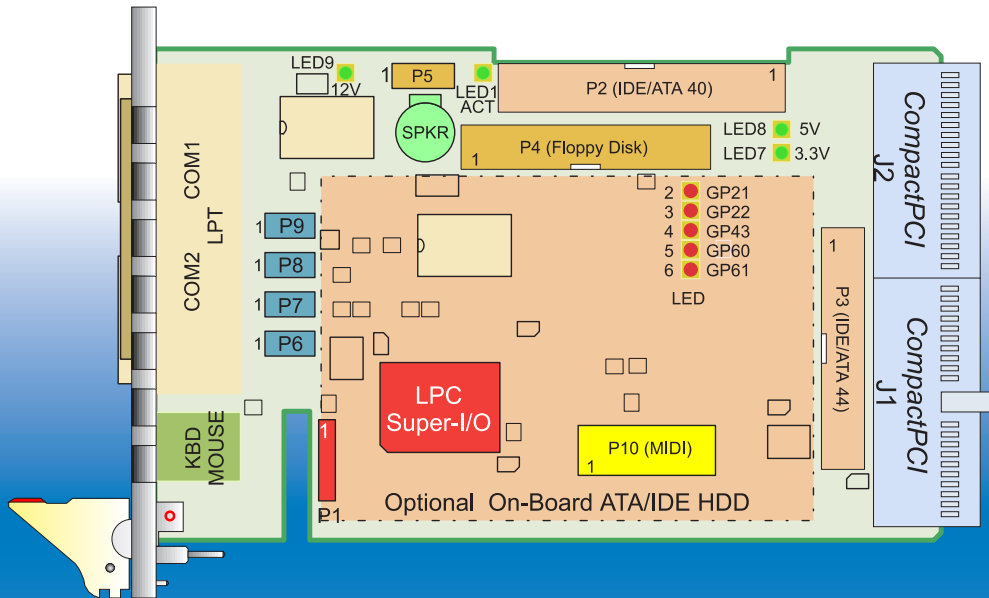


Equipped with a PCI-bridge chip, the CC5-RAVE offers a full CPCI interface for reliable system expansion. Especially designed for embedded systems applications, the General Software BIOS source code is maintained by EKF. So custom specific enhancements can be realized at anytime.



Block Diagram
CC5-RAVE

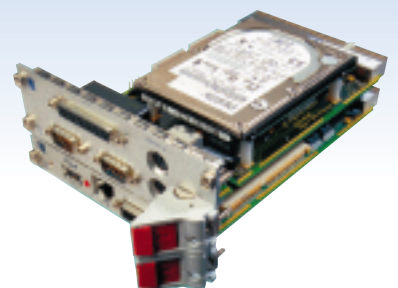
CC6-ACID



Block Diagram
CC6-ACID

Available as a companion board to the CC5-RAVE, the CC6-ACID is provided with all PC legacy I/O ports. This module connects to the CC5 across a short flat ribbon cable (LPC Low Pin Count interface). The card will be required only if the classical interfaces, e.g. serial and parallel port remain in use in a given application.

The CC6-ACID can be delivered with an on-board 6GB harddisk, resulting in a very compact system. The connectors COM1/2, LPT, mouse and keyboard are situated at the front panel, while a floppy disk drive can be attached via the on-board pin header. The mass storage ports are additionally available by the optional J2 connector for rear I/O.



Technical Specifications



CompactPCI® Bus

- 32-Bit, 33MHz (133MB/s), PCI 3.0 compliant
- V_{I/O} 5V (opt. 3.3V)

Power Supply

- +5V, +3.3V (current dependent of used CPU type)

Temperature / Humidity

- Operating Temperature 0-60°C
- Humidity 95% max. non condensing

Technical specifications are subject to change without further notice

Form Factor

Single size CompactPCI style Eurocard (160x100mm²), front panel width 4HP (20.3mm)

Processor

Support for Intel® Celeron™ and Pentium®-III processor, 370-pin PPGA or FC-PGA package

Chipset i810 chipset consisting of:

- 82810 Graphics/memory Controller Hub (GMCH)
- 82801 I/O Controller Hub (ICH0)
- 82802 Firmware Hub (FWH)

Memory

- 144-pin dual inline memory module (SO-DIMM) socket, module height 1.00inch (25.4mm) max.
- Support for up to 256MB, non ECC, unbuffered synchronous DRAM (SDRAM)
- Support for serial presence detect (SPD) and non-SPD SO-DIMMs, PC-100 style

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

100Base-Tx/10Base-T Fast-Ethernet controller, 82559 chip, RJ-45 connector (front panel), 100Mbps full-duplex, auto-negotiation

Legacy I/O

LPC Super-I/O interface connector, CC6-ACID companion board with Super-I/O controller available

IDE/ATA

- Ultra ATA/66 40-pin connector (primary IDE)
- CompactFlash socket for CFA ATA cards (secondary IDE)

BIOS

General Software BIOS for Embedded Systems, supports Advanced Power Management (APM), 2..8Mbit flash memory (82802AA, 82802AB, 82802AC)

Ordering Information

Short Alias	Ordering No.	Short Description
RAVE	CC5-1-RAVE	3U FC-PGA 370 CPU, 64MB SDRAM, Celeron 600MHz
RAVE	CC5-2-RAVE	3U FC-PGA 370 CPU, 64MB SDRAM, Pentium-III 800MHz
ACID	CC6-1-ACID	3U LPC Super-I/O module (8HP), expansion board to the CC5-RAVE
ACID	CC6-2-ACID	3U LPC Super-I/O module, with on-board HDD 6GB (up to 25GB storage capacity available on request)
	CR9-1-ADAPT	mechanical kit, expands the CC5 front panel to 6U full height



EKF- Solutions inside!

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