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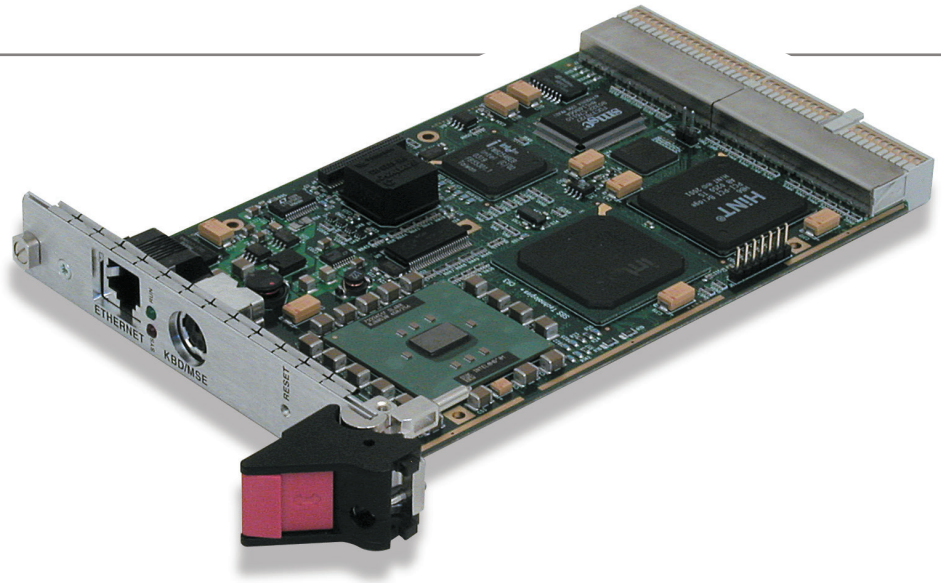
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CA3

High Performance – Low Power 3U CompactPCI® Single Board Computer

CA3 is a CompactPCI Single Board Computer (SBC) with an Intel® Celeron® 650MHz Ultra Low Voltage (ULV) processor in a convection-cooled 3U form factor.

The CA3 is designed for embedded processing applications using PCI-based 32-bit* architecture.

The CA3 includes 256 MB of SDRAM and 512 KB of boot flash. For increased flexibility, CA3 includes two serial ports, two USB ports, a parallel port, a front-panel PS/2 keyboard and mouse port, floppy drive interface, and an UltraDMA33 IDE interface for attaching an IDE hard drive or flash disk through the on-board J4 connector. For network accessibility, the CA3 also includes a dual channel 82546EB Ethernet chip that routes one channel through a front-panel RJ-45 connector with operation and activity LEDs and a second channel routed to the rear I/O.

The Intel ULV Celeron 650 processor makes the CA3 ideal for power-critical applications. It is based on the same core as he Pentium® processor and is optimized for high performance with low power consumption (+1.1V at 650MHz).

The dual-mode functionality of the PCI 6254 (formerly the HB6) PCI/PCI Bridge, the CA3 offers the versatility of operating as a system controller or peripheral card.

*The CA3 does not support 64-bit backplane.

FEATURES:

- Intel® Celeron® 650 Ultra Low Voltage processor
- System controller or peripheral card operation
- 256 MB SDRAM
- 64-bit 100 MHz memory bus
- 512 KB boot flash
- UltraDMA33 ATA interface
- Real-Time Clock with battery back-up
- Floppy drive interface
- Two Fast Ethernet ports 10/100 BaseT front-panel RJ-45 connector and rear I/O
- Two serial ports
- IEEE 1284 Parallel port
- Front-panel PS/2 keyboard/ mouse port
- Two rear I/O USB ports
- Front-panel reset button
- Front-panel status LEDs
- Watchdog, temperature sensors

abaco SYSTEMS

CA3 *High Performance – Low Power 3U CompactPCI® Single Board Computer*

Ordering information

Configuration Options

See Configuration Matrix

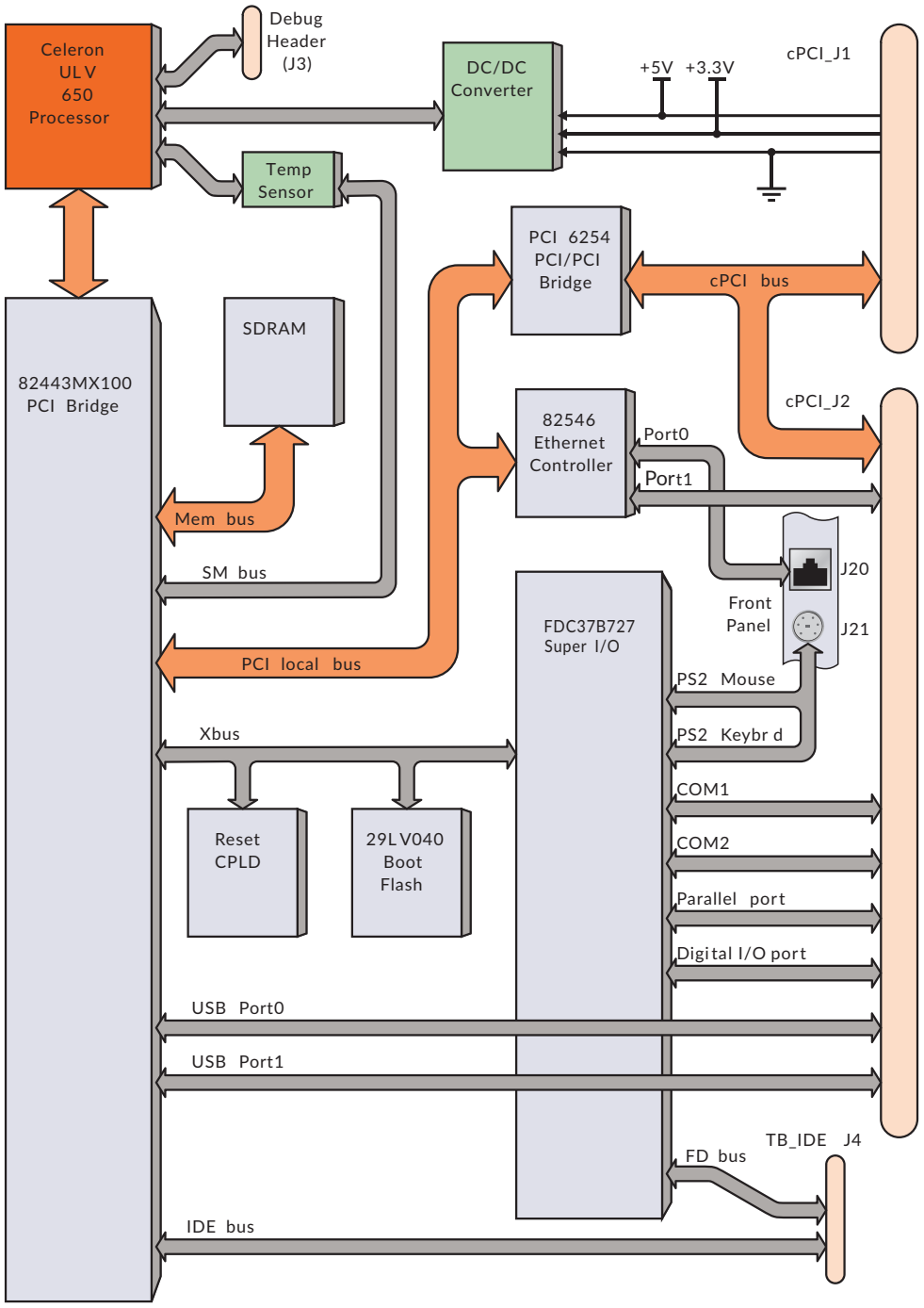
Accessories

TM-CA3 I/O Transition Modules XB-CA3-CFIDE Daughter card

Operating Systems

Abaco Technologies offers a VxWorks BSP

Block diagram



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