

# Teron CX

## PRODUCT HIGHLIGHTS

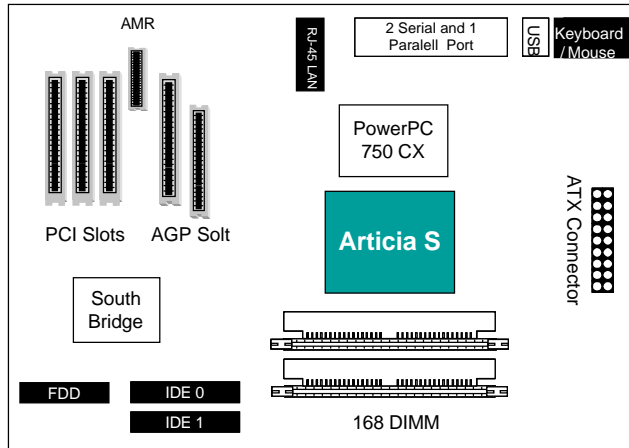
Support PowerPC™ 750 CX processor at 133 MHz CPU bus speed

Articia S Chipset

Linux Operating System

Four PCI Slots (Three PCI Bus 0, one on PCI 1) and one AGP Slot

Support 72-bit SDRAM up to 2 Gbytes



### Innovative 64-bit PowerPC Linux Platform

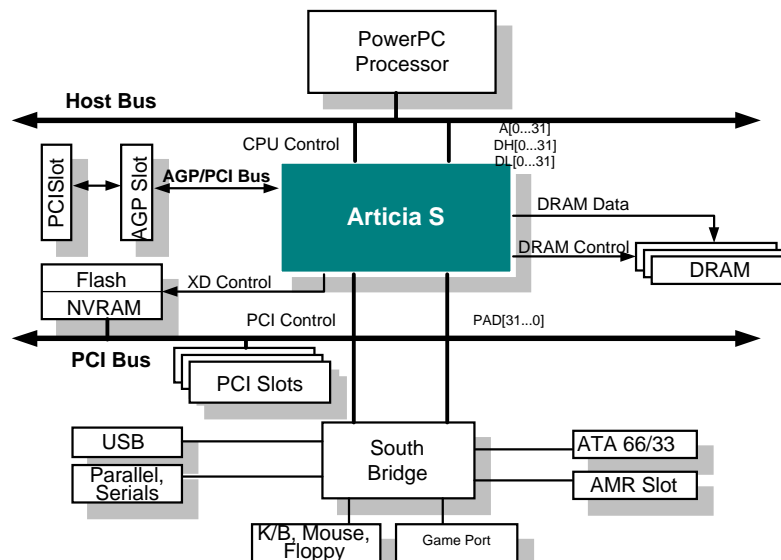
Teron CX Evaluation Board is a generic board built with PowerPC™ 750 CX CPU and MAI's Articia S chipset. The board consists four PCI slots on two PCI buses. It also has an AGP slot for meeting advanced video/graphics requirements. It provides a self-hosted development environment for 64-bit PowerPC system applications on Linux operating system.

### Generic Low Cost PowerPC System

Since Teron CX Evaluation Board is built with standard PC devices, system developers can use low-cost and widely available PC devices instead of costly proprietary devices.

### Ideal Development Platform for PowerPC Based Systems

Incorporated with Articia S's compelling features, such as iMemory™ for system reliability and Genetic Computing™ for superior security promise and PowerPC™ 750CX's competitive advantages like low power consumption and high performance, Teron CX provides an ideal platform for developing embedded and networking products.



For more information  
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# Teron CX

## PRODUCT FEATURES

### Processor Support

- PowerPC™ 750CX CPU on board
- Support 133 MHz processor bus speed

### BIOS

- PowerROM 4Mbit Flash BIOS

### Operating System

- PowerPC Linux Kernel 2.4.5

### North Bridge

- Mentor ARC Inc. Articia S Chipset
- iMemory™ for run-time memory fault recovery
- Patented Floating Buffer for smart data traffic management

### Memory System

- 72-bit SDRAM Data Path with ECC addressable up to 2 GB
- Two 168-pin DIMM slots on board
- Support for registered or non-registered SDRAM DIMM module

### PCI Bus 0

- Three 33MHz 32-bit PCI slots on board

### AGP/PCI Bus 1

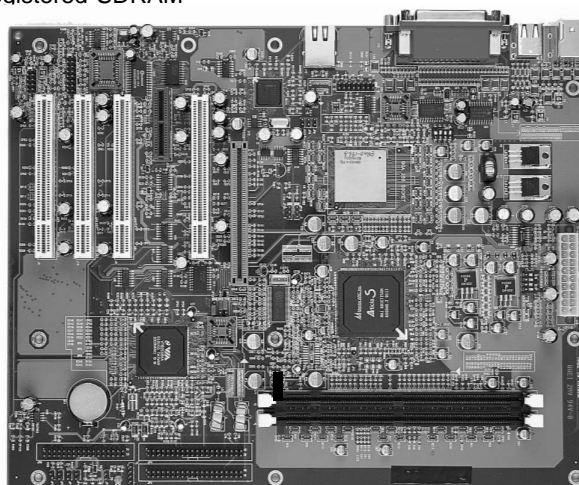
- One 66MHz AGP slot compliant with AGP Specification V2.0 or one 66/33MHz PCI slot

### On Board Device

- ATA 66/33 IDE master controller connected two IDE connectors
- Floppy controller connected to one Floppy connector
- USB controller connected to 4 USB ports
- PS/2 Keyboard and mouse ports
- Two serial ports, one parallel port and one game port
- One Audio/Modem Riser connector (AMR connector)

### Board Size

- 12" X 9.6" (30.5 cm X 24.5cm)



Order Number: BCX\_750D\_X133PU

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