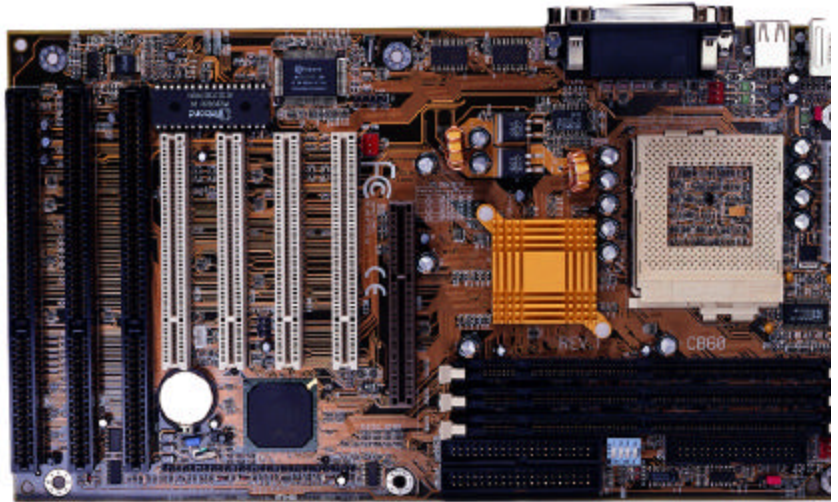


# CB60-BX/B™

## INDUSTRIAL PC MOTHERBOARD

The CB60-BX/B offers you the choice of either the economical Intel Celeron™ processor or the powerful Pentium III processor. Each processor enables developers to deliver the high performance needed in today's processing intensive embedded applications. This ATX format motherboard combines the strength of the Intel® BX chip and can support as many as four PCI, or three ISA cards. The front side bus operates at speeds up to 100 MHz to support current and future Celeron™ processors. Other industry features include voltage, fan speed, and temperature monitoring.



One of the most important qualities of the CB60-BX/B is that it is produced under strict revision control guidelines to provide a long and stable product life cycle. This makes it ideal for computer telephony, industrial control, medical instrumentation, security and other application environments where extensive testing or certification of the system is required. These revision controlled motherboards reduce your long term costs for system testing, certification and maintenance.

### Features:

- **Long and stable product life cycle**
- **Supports Socket 370 Intel Celeron™ and Pentium III FCPGA processors**
- **7 expansion slots: 3 PCI/2 ISA/1 Shared and 1 AGP video**
- **100 MHz front side bus**
- **Intel's high performance 440BX AGP chip set**
  - Supports up to 768MB SDRAM
  - Supports ECC
- **Supports AGP 2X graphics cards**
- **ATX industry standard form factor**
- **Monitors fan speed, processor temperature, and power supply voltages**
- **High quality, long life components**
- **ISO 9001 certified manufacturing process**

# CB60-BX/B™ (Part# GCB60-BX/B1)

## PROCESSOR (Will not support FCPGA2)

- Pentium™ III FCPGA: 100MHz FSB to 800MHz  
Must use CPU-HS-F001V fan with PIII
- Celeron™ 66MHz FSB: FCPGA to 600MHz or PPGA for Socket 370 to 533MHz

## CHIPSET

- Intel® 440BX AGP set

## SYSTEM MEMORY

- 16MB to 384MB memory using unbuffered DIMMs
- 32MB to 768MB memory using registered DIMMs
- Three 168-pin DIMM sockets
- Uses x64 or x72 PC SDRAM, 3.3V
  - PC-66 SDRAM DIMM for 66MHz FSB processors
  - PC-100 SDRAM DIMM for 100MHz FSB processors
- ECC supported (uses x72 PC SDRAM DIMM)

## BIOS

- Award BIOS, Windows® 95/98 Plug and Play compatible
- Flash EPROM for easy BIOS upgrades
- Supports SCSI sequential boot-up and DMI 2.0 function
- Includes NCR 810 SCSI BIOS
- 2MB flash memory

## ENERGY EFFICIENT DESIGN

- Supports ACPI specification and OS Directed Power Management
- Wake-On-Events include:
  - RTC timer to power-on the system
  - Modem ring-on
  - Wake-On-LAN
  - Wake-On-Keyboard/Wake-On-Mouse
- System power management supported
- CPU stopped clock control
- Hardware supports SMI green mode
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0a specification
- AC power failure recovery

## DAMAGE FREE INTELLIGENCE

- Monitors processor/system temperature and processor overheat alarm
- Monitors 1.5V/3.3V/±5V/±12V/VCORE voltages and failure alarm
- Monitors processor/system fan speed and failure alarm
- Automatic processor fan control to save energy, prevent overheating, prolong fan life and implement silent system

- Read back capability that displays temperature, voltage and fan speed

## PCI IDE INTERFACE

- Supports ATA/33 or ATA/66 hard drives
- PIO Mode 3 and Mode 4 Enhanced IDE (data transfer rate up to 16.6MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- Supports ATAPI CD-ROM, LS-120, ZIP and SCSI sequential boot-up

## INTEGRATED I/O

- Two NS16C550A-compatible high speed UARTs
- One SPP/ECP/EPP parallel port
- Supports up to 2.88MB floppy drive

## PROCESSOR SOCKET

- Socket 370
- Equipped with a switching voltage regulator that automatically detects 1.30V to 2.05V

## ACCELERATED GRAPHICS PORT (A.G.P.)

- AGP supports high performance 3D graphics cards
- AGP 2x supports up to 533MB/sec. bandwidth for 3D graphics applications

## ATX DOUBLE DECK PORTS

- 2 USB ports
- 2 DB-9 serial ports
- 1 DB-25 parallel port
- 1 mini-DIN-6 PS/2 keyboard port
- 1 mini-DIN-6 PS/2 mouse port

## CONNECTORS

- 1 connector for IrDA interface
- 2 IDE connectors
- 1 floppy connector
- 1 20-pin ATX power supply connector
- 1 Wake-On-LAN connector
- 1 SB-LINK connector
- 3 fan connectors for CPU, chassis and AGP fans

## EXPANSION SLOTS

- 1 dedicated AGP slot
- 3 dedicated PCI slots
- 2 dedicated 16-bit ISA slots
- 1 shared PCI/ISA slot

## PCB

- 4 layers, ATX form factor
- 30.48cm (12") x 17.2cm (6.67")