

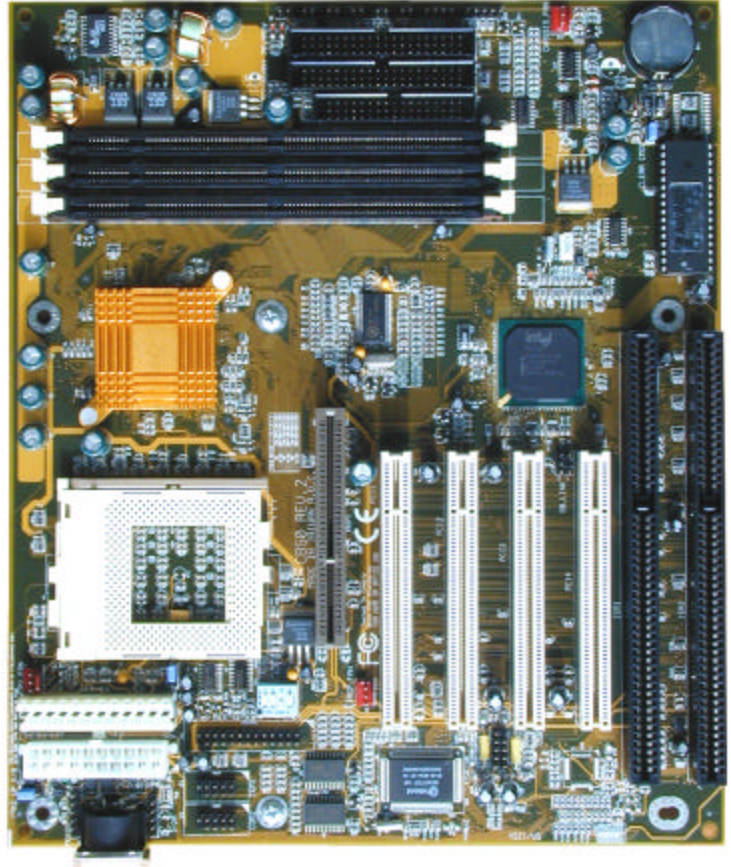
# GCB50-BX™

## REVISION CONTROLLED MOTHERBOARD

The GCB50-BX combines the power and economy of the Intel Celeron™ class processors with the strength of the Intel® BX chip set to support up to three PCI, or two ISA cards on an industry standard baby AT format motherboard. The Celeron™ processor enables developers to deliver the high performance needed in today's processing intensive and value-driven applications. The front side bus operates at speeds up to 100 MHz to support current and future Celeron™ processors.

One of the most important qualities of the GCB50-BX is that it is produced under strict revision control guidelines to provide a long and stable product life cycle. This makes it ideal for industrial control, computer telephony, medical, and back office environments. ITOX revision controlled motherboards reduce your long term costs for system testing, certification and maintenance.

ITOX Inc. is certified to ISO 9001:2000 standards.



### Features:

- Long and stable product life cycle
- Supports Socket 370 Intel Celeron™ processors
- 6 expansion slots: 1 ISA/1 Shared/3 PCI and 1 AGP video
- 100 MHz front side bus
- Intel's high performance 440BX AGP chip set
  - Supports up to 768MB SDRAM (using registered DIMMS)
  - Supports ECC
- Supports AGP 2X graphics cards
- Baby AT industry standard form factor
- High quality, long life components
- Award BIOS, Flash EPROM



# GCB50-BX™

## PROCESSOR

- Intel® Celeron™ 66MHz FSB (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 processors
  - PC-100 SDRAM DIMM for 100MHz processors
- ECC supported (uses x72 PC SDRAM DIMM)

## BIOS

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

## ENERGY EFFICIENT DESIGN

- Supports ACPI specification and OS Directed Power Management (ATX power supply only)
- Wake-On-Events include (with ATX power supply only):
  - 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 (with ATX power supply only)
- AC power failure recovery

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

## CONNECTORS

- 2 connectors for external USB ports
- 1 connector for IrDA interface
- 2 serial ports
- 1 parallel port
- 2 IDE connectors
- 1 floppy disk connector
- 1 PS/2 mouse port
- 1 AT keyboard port
- 1 20-pin ATX power supply connector
- 1 12-pin standard AT 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 16-bit ISA slot
- 1 shared PCI/ISA slot
- 3 dedicated PCI slots
- 1 dedicated AGP slot

## PCB

- 4 layers, ATX form factor
- 26.5cm (10.43") x 22cm (8.66")

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