Features

Features of the 6BX/ZX/VIA82 Mainboard

The 6BX/ZX/VIA82 is designed for the PC user's who want many new key features processed by the fastest CPU in a economic package. This mainboard :

⌛ **New general CPU support :**
- Socket 370 Celeron (300MHz~677MHz(1.5V))processor.
- Socket 370 Coppermine (500MHz~800MHz)processor.
- CPU clock select support for 66/100MHz.

⌧ **Chipset :**
   Intel 440BX PCIset™ /440ZX PCIset™/VIA 693+596A (6VIA82) chips with I/O subsystems.

⌧ **Biggest memory capacity :**
   6BX/VIA82 is equipped with three DIMM socket to support (16MB, 32MB, 64MB, 128MB.256MB) 168 pin 3.3v SDRAM SPD(Special Presence Detect).Maximum memory up to 768MB.
   6ZX82 is equipped with two DIMM socket to support 168 pin 3.3v SDRAM SPD(Special Presence Detect).Maximum memory up to 512MB.

⌧ **AGP for fast VGA solution :**
   AGP (Accelerator Graphic Port) will enhance & improve display performance and Application. The bus speed is 66 MHz .

⌧ **ISA & PCI Expansion Slot :**
   Provide one 16 bit ISA, and three 32 bit PCI slots.

⌧ **PCI Bus MasterIDE Controller :**
   Comes with an on-board PCI Bus Master IDE, controller with two connectors that supports four IDE devices in two channels, Provides faster data transfer rate, and supports Enhanced IDE devices such as Tape Backup and CD-ROM devices(ATAPI). This controller supports PIO mode 3 and 4 (16.6MB/sec.), and Ultra DMA 33(33MB/Sec.), also supports ZIP100 and LS-120. BIOS support IDE CD-ROM or SCSI bootup.

⌛ **Super Multi-I/O :**
   Provides two high-speed UART2 compatible serial ports
   (match NS16C550A compatible) and one parallel port with
   SPP,EPP and ECP capabilities. UART2 can also be directed
   from COM2 to the Infrared Module for wireless
   connections. Two floppy drives of either 5.25" or 3.5 "(1.
   25MB,1.44MB or 2.88MB) are also supported without an
   external card. Supports Japanese standard "Floppy 3 mode"
   (3.5" 1.25MB).

⌛ **CPU built-in Level 2 Cache :**
   128/256KB Pipeline Burst Level 2 cache in the PII/III CPU
   processors.

⌛ **WOL (Wake On LAN) :**
   Supports system power up from LAN ring up .

⌛ **IrDA Port :**
   Support this serial fast communication up to 115.2Kbps.

⌛ **Support Ring on by modem/Alarm on :**
   Support System power up from Modem ring up or timer of
   System. Required enabled in Ring on by modem and Alarm
   on in BIOS.

⌛ To support CPU FAN On/Off and LED indicator under Suspend
   mode.

⌛ **To support CPU temperature detect and Alarm warning by
   sound. (option)**

⌛ **Dimension : 24.3 cm x 19.0 cm**

The 6BX/ZX/VIA82 Mainboard layout

6ZX82 only two DIMM sockets

down :K/B
up:Mouse

USB

COM1

Printer

COM2

FAN1

JP5

Sound Chip

JP2 JP3

I/O chip

LAN
J2

BIOS

J8

2
JP1
1

Themal Sensor

Socket 370

North

1 IR
5

FAN2

FAN1

DIMM1 DIMM2 DIMM3

ATX Power
Supply connector

FDC1

IDE2

IDE1

South

JP4
SMI
PW-LED
PWRBN

SMI-LED
RST
HD-LED
SPK
J4

ISA SLOT1

FAN3