MAXTIUM COMPUTER CORPORATION

Maxtium®

Magic BXA Pentium II Motherboard

Form Factor	
	• ATX form factor

Board Size	
	• 30.5 cm x 18 cm

CPU	
	• Standard CPU supported with Jumperless BIOS Setup:
	- Pentium II/Celeron: 233 ~ 450 MHz with
	- Pentium III (Katmai): 450 ~ 500MHz
	• Jumperless Overclock:
	- Supports CPU Clock Ratio:
	1.5/2.0/2.5/3.0/3.5/4.0/4.5/5.0/5.5/6.0/6.5/7.0 /7.5/8.0x
	- Supports CPU Clock Frequency:
	66.8/75.0/83.3/100/103/112/115/120/124/133 /140/150MHz

System Memory	
	• DIMM 168-pin x 3 , SDRAM maximum 768MB
	• Supports 64M-bit SDRAM technology

Chipset	
	• Intel 440BX AGP Chipset

System Bus/FSB	
	• 66/100MHz
	• 75/83.3/103/112/115/120/124/133/140/150MHz (Available for over-clocking)

Expansion Slots	
	• 1 x AGP bus
	• 2 x ISA bus
	• 4 x PCI bus with Bus master mode

Serial Port	
	• Two serial ports UART 16C550 compatible
	• Sets serial port 2 to operate in normal mode , IrDA or ASKIR

Parallel Port	
	One parallel port supports :
	• SPP-standard parallel port
	• EPP-enhanced parallel port

	• ECP-extended capabilities port
Floppy Interface	Supports drives inches/format with: • 3.5 inches—720KB/1.44MB/2.88MB • 5.25 inches—360KB/1.2MB
IDE Interface	• Dual PCI IDE interface support up to 4 x IDE HDD or CDROM • Supports PIO mode4 , DMA mode2 and Ultra DMA33
USB Interface	• Two USB ports supported • USB legacy keyboard function supported
PS/2 Mouse	• PS/2 mouse supported by connector onboard
Keyboard	• PS/2 keyboard supported by connector onboard
Fuse	• Supports recoverable fuse for USB and KB/Mouse
RTC and Battery	• RTC build in chipset (south bridge PIIX4) • Lithium (CR-2032) battery
Wake Up Function	• Modem ring wake up • LAN wake up • RTC Alarm wake up
Synchronous Switching Regulator	• High efficient synchronous switching regulator for CPU core voltage from 2.0V to 3.5V • Supports over-voltage / over-current protection function
Hardware Monitor (Optional)	• Fan speed monitor—Two fan connectors , warning when CPU or Housing fan is malfunction • Voltage monitor—Warning when system voltage (5V,12V,3.3V,VCORE) are abnormal • CPU and system thermal monitor—Warning when CPU and system temperature is higher than a predefined value
Power Connector	• Supports ATX(20-pin) power connector
Power On Function	• Panel switch power on • Keyboard power on
BIOS	• Award BIOS • Year 2000 Compliance • PCI 2.1 Compliance • PnP BIOS v1.0a Compliance • APM v1.2 Compliance • DMI 2.0 compliance • Flash/Upgrade BIOS protection • Supports ACPI (Advanced Configuration and Power Interface) and OS Directed Power Management • Supports SOFT power • Anti-Virus Boot Protection • Floppy drive swapping function supported
LED Indicator	• System power LED • HDD activity LED • Suspend LED (Green LED)

Sound Function	- Integrated Creative 1373 PCI 3D Audio - Sound Blaster PCI Audio - AC97 Interface Compliance - Microsoft PC97/PC98 Compliance 3D Positional Audio Supported