



KEY FEATURES:

- SiS 630e chipset.
- Onboard 128-bit graphics system supports up to 1920 x 1200 resolution, and hardware DVD accelerator
- Onboard 10/100 Base-T Ethernet adapter.
- Onboard V.90 HSP 56K Voice/Data/Fax modem in CMI 8738 chipset.
- Onboard 3D Surround Sound system.
- Integrated hardware monitoring circuit.
- Advanced ATX power management
- 133/100/66MHz FSB for the latest Intel Celeron & FCPGA Pentium III processors.
- Proprietary Flex - ATX form-factor.

NOTE: v.7.1 w/ extra serial port
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[BIOS CODE](#)

[DRIVERS](#)

[F.A.Q's](#)

[MANUALS](#)

[TEST REPORTS](#)

FEATURES:

Main Chipset

SiS630e Chipset

- Integrated the UltraAGP technology and advance 64-bit graphic display interface, share Main Memory up to 64MB
- Delivers AGP 4X performance and up to 1GB/s memory bandwidth.
- Powerful hardware decoding DVD accelerator to improve the DVD playback performance
- Integrated all peripheral controllers/accelerators/interfaces
- Total communication solution including 10/100Mb Fast Ethernet for Office requirement
- Integrated AC'97 compliant interface that comprises digital audio engine with 3D-hardware accelerator
- Supports 133/100/66MHz FSB (Front-side BUS) processors including the Intel Celeron and FC-PPGA Pentium III CPUs
- Low Pin Count (LPC) operating at 33MHz clock, and dual USB host controller up to 5 USB ports
- Built-in fast PCI IDE controller supports the ATA PIO/DMA, and Ultra DMA 33/66 function support

Onboard Modem

CMI 8738 HSP56 flex/V.90 Modem Chip

- Dual mode V.90/56Kflex support
- PCI v2.2 compliant interface.
- ACPI supports 'On Now'
- Optional support for Caller ID
- On Chip PnP logic
- PC 97 & 99 compliant
- Supports Windows 95/98/NT/2000 and Linux
- Supports V.90, V.34, V.32, V32bis, V.22 and V.22bis protocols

Onboard Sound

C-Media CMI8738

- HRTF-based 3Dm positional audio supporting DirectSound 3D and A3D interface.
- Supports rear side speakers, C3DX positional audio in 4-channel speaker mode.
- Legacy SoundBlaster 16 compatible.
- Downloadable DLS-based WaveTable music synthesizer with DirectMusic support.
- Professional digital audio interface supporting 24-bit SPDIF input and output in both 44.1KHz and 48KHz formats.
- Built-in 32ohm earphone buffer.
- Built-in PCTel HSP56 Modem interface.
- Drivers support AC3 5.1 channel interface.
- MPU-401 port.
- 16-bit full duplex CODEC for playback and recording.
- 4-channel 16-bit DAC
- 32-bit PCI bus master

Onboard LAN Adapter Embedded in SiS 630E

- Integrated Fast Ethernet MAC, Physical Layer and transceiver.
- +3.3v power supply with +5v tolerant I/O
- PCI 2.2 compliant interface
- Independent receive FIFO and transmit FIFO
- IEEE 802.3u 100Base-TX and 802.3u 10Base-T compliant
- Full and half duplex mode support
- Supports Wake on LAN features
- High performance 100Mbps clock generator and data recovery circuit.
- Provides loopback mode for easy system diagnostics

Onboard I/O Ports External Ports

- (1) Parallel port which supports EPP and ECP modes
- (2) USB ports
- (2) PS/2 ports
- (1) 15-pin VGA port
- (1) Serial port
- All ports are PC 99 compliant for easy identification

Internal Ports

- (1) Primary EIDE controller with support for two UltraDMA 33/66 devices
- (1) Floppy drive controller with support for up to two drives

Memory Support

- (2) 168-pin DIMM slots for 3.3v SDRAM PC-100/133 modules
- Supports a maximum of 1024MB RAM

Processor Support

- The Bk630 Book PC (iCue Bk630) will support Celeron CPUs @ 66MHz FSB and FC-PPGA (Corpermine) CPUs @ 100/133MHz FSB

Expansion Slots

NOTE: The Book PCs (iCue BK Series) do not have any expansion slots. There are no ISA, PCI or AGP slots.

Drives

- 1.44MB 3 ½" drive (MITSUMI)
- 52x CD-ROM drive (Top-Glory Electronic)

Case Specifications

- External dimensions 310mm (L) x 272mm (W) x 82mm (H)
- External 5 ¼" drive bay occupied by the CD/DVD-ROM drive
- External customized 3 ½" floppy drive bay occupied by the floppy drive (ZIP drives will not fit)
- Internal 3 ½" drive bay (for hard drive)
- PS/2 ports (for keyboard and mouse)
- USB ports
- RJ45 Ethernet port
- Modem port for both Phone and Line
- EPP/ECP Parallel port
- (1) 9-pin Serial port (for V7.1 only)
- (1) 15-pin VGA port

- (1) 15-pin MIDI port
- Sound ports for Mic, Line-In and Speakers
- Front panel: 2xUSB ports (share with back panel), Audio Out and Mic

Power Supply

- 100Watt, 110/220C Auto Switch
- Dimensions 10.25cm (W) x 6cm (L) x 7.25cm (H)
- Certifications: FCC, CE, UL, TUV

Package Contents

- Case with 100W power supply
- BK630e Mainboard v7.1
- Top-Glory Electronic 52x CD-ROM drive with 40-pin ribbon cable
- Mitsumi 3 1/2" floppy drive with cable
- CD-ROM audio cable
- PS/2 Key board / Mouse
- 2 Amplifier Speaker
- User's manual
- System Support CD
- Low profile CPU cooling fan

JUMPER SETTINGS AND HEADER PIN-OUTS

JUMPER	PIN(s)	FUNCTION	JUMPER	PIN(s)	FUNCTION	
J9 - 6 Channel Setting	On	6 Channel	J4 - Short 3-4, 5-6, 7-8 respectively	1	N/A	
	Off	4 Channel		2	N/A	
J20 - VTT Settings		Please short 2-3		3	MIN	
				4	MICOUT	
				5	SR	
				6	SPOUTR	
J5		Only for factory test		7	SL	
				8	SPOUTL	
J11		Always Short every jumper respectively, then Power will pass electricity to Mainboard	Front 2		For Front Panel	
	1			Power supply Vcc5	1	USB PO-
	2			Power supply Vcc5	2	USB PO+
	3			Power supply Vcc5	3	UP-
	4			Mainboard Vcc3	4	UP+
	5			Mainboard Vcc3	5	VCC
J10		Always Short every jumper respectively, then Power will pass electricity to Mainboard		6	Ground	
	1		Power supply Vcc5	7	IRTX	
	2		Power supply Vcc5	8	IRRX	
	3		Power supply Vcc5	9	N/A	
	4		Power supply Vcc5	10	Ground	
	5		Power supply Vcc5	11	KEYBOARD clk	
	6		Mainboard Vcc3s	12	EXTK CLK	
	7		Mainboard Vcc3s	13	K DATA	
	8		Mainboard Vcc3s	14	EXTK DATA	
	9		Mainboard Vcc3s	15	5VSB	
10	Mainboard Vcc3s	16	Ground			
J2 - For Front Panel	1	N/A	17	M CLK		
	MIC short 1-3, 2-4	MIC OUT	18	EXTM CLK		
		MICTOSUB	19	M DATA		
		MMICOUT	20	EXTM DATA		

CENTER short 3-5, 4-6	5	CENTER	Modem - Modem DAA Conn.	1	Ground
	6	BASS-		2	AFEM CLK
				3	Ground
PANEL1 - Front Panel	1	Ground		4	HSPFS
	2	Power Supply		5	Ground
	3	Ground		6	MS CLK
	4	Reset		7	PVCC3
	5	Ground		8	Modem Ring On
	6	Power LED		9	Off Hook
	7	HDD LED		10	GPIOX
	8	Vcc		11	RIN
	9	ACPI LED		12	HSPSDO
	10	Vcc		13	5vSB
				14	HSPSDI
J2 - SPDIF Input	1	SPDIF In		15	Mute
	2	Ground		16	AFERET
J3 - SPDIF Output	1	12v	A_CD1 - CD-ROM Audio	1	Left Channel
	2	GPPIO		2	Ground
	3	SPDIF In		3	Ground
	4	Ground		4	Right Channel
	5	SPDIF Out			
	6	Ground	Power Connector	1	5v SB
				2	Ground
				3	Ground
				4	PS-ON#
				5	+12v
				6	+12v

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