LUCKY STAR TECHNOLOGY CO., LTD.

5S530

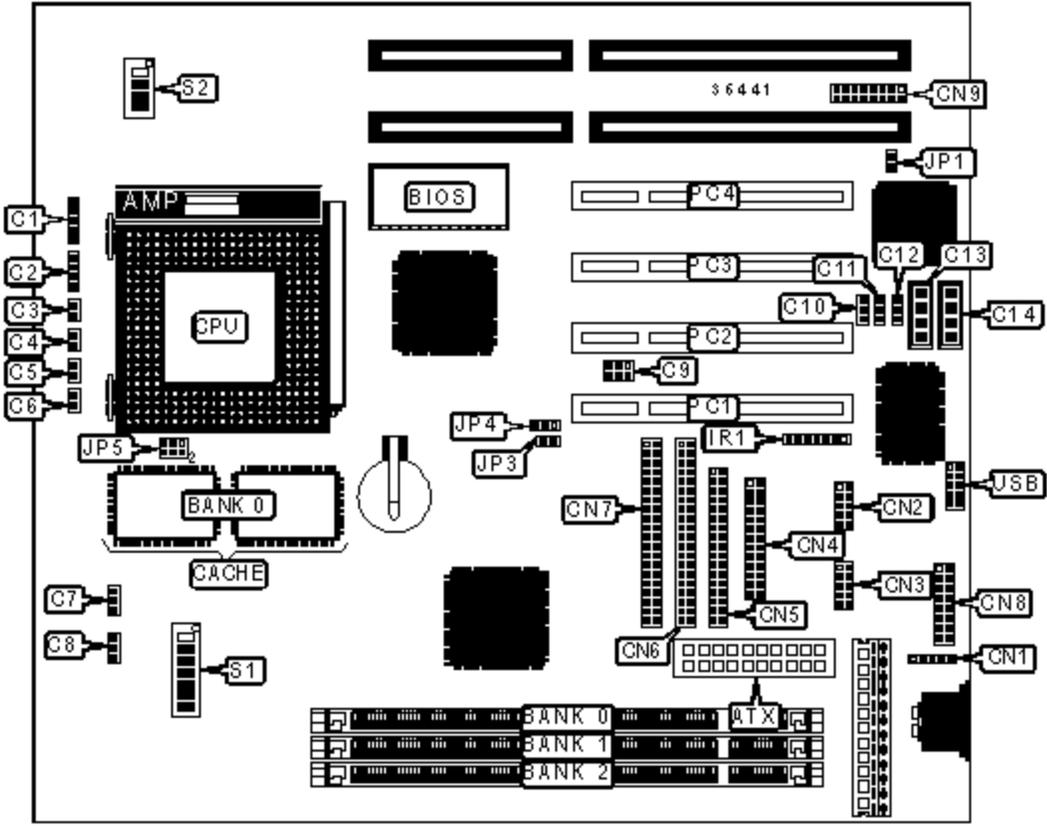|	
Device Type	Mainboard
Processor	CX 6x86L/CX 6x86MX/CX M1/CX MII/AM K5/AM K6/
	AM K6-2/Pentium/Pentium MMX
Processor Speed	100/133/166/200/233/250/266/300/333/350/366/380/400MHz
Chip Set	SIS 530
Maximum Onboard Memory	1.5GB (SDRAM supported) (Unified Memory Architecture UMA)
Audio Chip Set	ESS
Cache	512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, game interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (2), SB-link connector

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Audio in - CD-ROM	C14
Power LED & keylock	C1	PS/2 mouse interface	CN1
Speaker	C2	Serial port 2	CN2
Reset switch	C3	Serial port 1	CN3
Turbo LED	C4	Parallel port	CN4

Soft off power supply	C5	Floppy drive interface	CN5
IDE interface LED	C6	IDE interface 2	CN6
Chassis fan power	C7	IDE interface 1	CN7
Chassis fan power	C8	VGA interface	CN8
SB-link connector	C9	Game interface	CN9
Line out	C10	IR connector	IR1
Microphone in	C11	32-bit PCI slots	PC1 - PC4
Line in	C12	USB connector	USB
Audio in - CD-ROM	C13		

USER CONFIGURABLE SETTINGS			
	Function	Label	Position
	On board sound enabled	JP1	Closed
	On board sound disabled	JP1	Open
»	CMOS memory normal operation	JP3	Open
	CMOS memory clear	JP3	Closed
»	PS/2 mouse enabled	JP4	Pins 1 & 2 closed
	PS/2 mouse disabled	JP4	Pins 2 & 3 closed

DIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None

Size	Bank 0	Bank 1	Bank 2
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None

136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None

384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 64M x 64	None	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
1024MB	(1) 64M x 64	(1) 64M x 64	None
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64
Note: Board accepts EDO & SDRAM memory.			

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 64K x 32
1MB	(2) 128K x 32

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
166MHz	66MHz	2x	On	Off	Off
200MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX 6X86L, CON'T)						
CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
166MHz	66MHz	2x	On	On	On	Off
200MHz	66MHz	2x	On	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
166MHz	66MHz	2x	On	Off	Off

200MHz	75MHz	2x	On	Off	Off
233MHz	75MHz	2.5x	On	On	Off
266MHz	83MHz	2.5x	On	On	Off

CPU SPEED SELECTION (CX 6X86MX, CON'T)						
CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
166MHz	66MHz	2x	On	On	On	Off
200MHz	75MHz	2x	Off	On	On	Off
233MHz	75MHz	2.5x	Off	On	On	Off
266MHz	83MHz	2.5x	On	Off	On	Off

CPU SPEED SELECTION (CX M1)					
CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
166MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX M1, CON'T)						
CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
166MHz	66MHz	2x	On	On	On	Off

CPU SPEED SELECTION (CX MII)					
CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
300MHz	66MHz	3.5x	Off	Off	Off
333MHz	83MHz	3x	Off	On	Off

CPU SPEED SELECTION (CX MII, CON'T)						
CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7

300MHz	66MHz	3.5x	On	On	On	Off
333MHz	83MHz	3x	On	Off	On	Off

CPU SPEED SELECTION (AM K5)					
CPU speed	**Clock speed**	**Multiplier**	**S1/1**	**S1/2**	**S1/3**
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off
166MHz	66MHz	2.5x	On	On	Off

CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	**Clock speed**	**Multiplier**	**S1/4**	**S1/5**	**S1/6**	**S1/7**
100MHz	66MHz	1.5x	On	On	On	Off
133MHz	66MHz	1.5x	On	On	On	Off
166MHz	66MHz	2.5x	On	On	On	Off

CPU SPEED SELECTION (AM K6)					
CPU speed	**Clock speed**	**Multiplier**	**S1/1**	**S1/2**	**S1/3**
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off
266MHz	66MHz	4x	On	Off	On
300MHz	66MHz	4.5x	On	On	On

CPU SPEED SELECTION (AM K6, CON'T)						
CPU speed	**Clock speed**	**Multiplier**	**S1/4**	**S1/5**	**S1/6**	**S1/7**
166MHz	66MHz	2.5x	On	On	On	Off
200MHz	66MHz	3x	On	On	On	Off

233MHz	66MHz	3.5x	On	On	On	Off
266MHz	66MHz	4x	On	On	On	Off
300MHz	66MHz	4.5x	On	On	On	Off

CPU SPEED SELECTION (AM K6-2)					
CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
250MHz	100MHz	2.5x	On	On	Off
266MHz	66MHz	4x	On	Off	On
300MHz	66MHz	4.5x	On	On	On
300MHz	100MHz	3x	Off	On	Off
333MHz	66MHz	5x	Off	On	On
333MHz	95MHz	3.5x	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off
366MHz	66MHz	5.5x	Off	Off	On
380MHz	95MHz	4x	On	Off	On
400MHz	100MHz	4x	On	Off	On

CPU SPEED SELECTION (AM K6-2, CON'T)						
CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
250MHz	100MHz	2.5x	On	On	Off	Off
266MHz	66MHz	4x	On	On	On	Off
300MHz	66MHz	4.5x	On	On	On	Off
300MHz	100MHz	3x	On	On	Off	Off
333MHz	66MHz	5x	On	On	On	Off
333MHz	95MHz	3.5x	Off	Off	On	Off
350MHz	100MHz	3.5x	On	On	Off	Off
366MHz	66MHz	5.5x	On	On	On	Off
380MHz	95MHz	4x	Off	Off	On	Off

400MHz	100MHz	4x	On	On	Off	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
100MHz	66MHz	1.5x	On	On	On	Off
133MHz	66MHz	2x	On	On	On	Off
166MHz	66MHz	2.5x	On	On	On	Off
200MHz	66MHz	3x	On	On	On	Off

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	S1/1	S1/2	S1/3
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	S1/4	S1/5	S1/6	S1/7
200MHz	66MHz	3x	On	On	On	Off
233MHz	66MHz	3.5x	On	On	On	Off

CPU VOLTAGE SELECTION				
Voltage	S2/1	SW/2	SW/3	SW/4
2.1v	On	Off	Off	Off
2.2v	Off	On	Off	Off
2.7v	On	On	On	Off
2.8v	Off	Off	Off	On
2.9v	On	Off	Off	On
3.2v	Off	Off	On	On
3.3v	On	Off	On	On
3.5v	On	On	On	On

CPU VIO SELECTION	
Setting	JP5
Any VIO	Open
3.45v VIO	Pins 1 & 2, 3 & 4, 5 & 6 closed