ACER, INC.

S7AX

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/CX MII/AM K5/AM K6/AM K6-2/AM K6-III/Pentium/Pentium MMX
Processor Speed	120/133/150/166/200/233/266/300/333/350/366/380/ 400/450/475/500MHz
Chip Set	ALI Aladdin
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Cache	512KB
BIOS	Award
Dimensions	220mm x 250mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (4), green PC connector, floppy drive interface, IDE interfaces (2), parallel interface, PS/2 mouse interface, keyboard connector, serial interfaces (2), IR connector, USB interfaces (2), ATX power connector, AT power connector, AGP slot

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	IDE interface LED	J7/Pins 6 & 7

AT power connector	AT	Power switch	J7/Pins 9 & 10
ATX power connector	ATX	Green PC connector	J7/Pins 11 & 12
16-bit ISA slots	IS1 - IS2	Power LED & keylock	J7/Pins 14-18
PS/2 mouse interface	J1	Speaker	J7/Pins 20-23
Serial interface 1	J2	IR connector	J8
Serial interface 2	J3	IDE interface 1	J9
USB interface 1	J4	IDE interface 2	J10
Parallel interface	J5	USB interface 2	J11
Floppy drive interface	J6	Keyboard connector	J12
Green PC LED	J7/Pins 1 & 2	32-bit PCI slots	PC1 - PC4
Reset switch	J7/Pins 3 & 4		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» CMOS memory normal operation	JP2	Pins 1 & 2 closed
CMOS memory clear	JP2	Pins 2 & 3 closed

SIMM CONFIGURATION	
Size	**Bank 0**
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
Note: Board accepts EDO memory. Note: Do not use mixed SIMM and DIMM memory.	

DIMM CONFIGURATION		
Size	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None

16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board supports EDO & SDRAM memory.
Note: Do not use mixed SIMM and DIMM memory.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
150MHz	60MHz	2x	Closed	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2x	Open	Closed	Closed	Closed	Open	Open
200MHz	75MHz	2x	Closed	Closed	Open	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
166MHz	60MHz	2.5x	Closed	Closed	Closed	Closed	Closed	Open
166MHz	66MHz	2x	Open	Closed	Closed	Closed	Open	Open
200MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	75MHz	2x	Closed	Closed	Open	Closed	Open	Open
233MHz	75MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
233MHz	83MHz	2x	Open	Closed	Open	Closed	Open	Open
266MHz	83MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
300MHz	75MHz	3x	Closed	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
300MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open	Open
300MHz	75MHz	3x	Closed	Closed	Open	Open	Closed	Open
333MHz	83MHz	3x	Open	Closed	Open	Open	Closed	Open
350MHz	95MHz	3x	Closed	Open	Open	Open	Closed	Open
366MHz	100MHz	3x	Open	Open	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6

| 133MHz | 66MHz | 2x | Open | Closed | Closed | Closed | Open | Open |

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open	Open
266MHz	66MHz	4x	Open	Closed	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6-2)								
CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
266MHz	66MHz	4x	Open	Closed	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed	Closed	Closed
300MHz	100MHz	3x	Open	Open	Open	Open	Closed	Open
333MHz	66MHz	5x	Open	Closed	Closed	Open	Closed	Closed
333MHz	95MHz	3.5x	Closed	Open	Open	Open	Open	Open
350MHz	100MHz	3.5x	Open	Open	Open	Open	Open	Open
366MHz	66MHz	5.5x	Open	Closed	Closed	Open	Open	Closed
380MHz	95MHz	4x	Closed	Open	Open	Closed	Open	Closed
400MHz	100MHz	4x	Open	Open	Open	Closed	Open	Closed
450MHz	100MHz	4.5x	Open	Open	Open	Closed	Closed	Closed
475MHz	95MHz	5x	Closed	Open	Open	Open	Closed	Closed

CPU SPEED SELECTION (AM K6-III)								
CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
400MHz	100MHz	4x	Open	Open	Open	Closed	Open	Closed
450MHz	100MHz	4.5x	Open	Open	Open	Closed	Closed	Closed

| 500MHz | 100MHz | 5x | Open | Open | Open | Open | Closed | Closed |

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
120MHz	60MHz	2x	Closed	Closed	Closed	Closed	Open	Open
133MHz	66MHz	2x	Open	Closed	Closed	Closed	Open	Open

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	JP4/Pins 1 & 2	JP4/Pins 3 & 4	JP4/Pins 5 & 6	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open	Open

CPU VOLTAGE SELECTION

Voltage	JP6/Pins 1 & 2	JP6/Pins 3 & 4	JP6/Pins 5 & 6	JP6/Pins 7 & 8	JP6/P 9 & 10
2.2	Open	Closed	Open	Open	Open
2.4	Open	Open	Closed	Open	Open
2.8	Open	Open	Open	Closed	Open
2.9	Closed	Open	Open	Closed	Open
3.2	Open	Open	Closed	Closed	Open
3.3	Open	Closed	Closed	Closed	Open
3.5	Closed	Closed	Closed	Closed	Open