AAEON TECHNOLOGY, INC.

MB-562

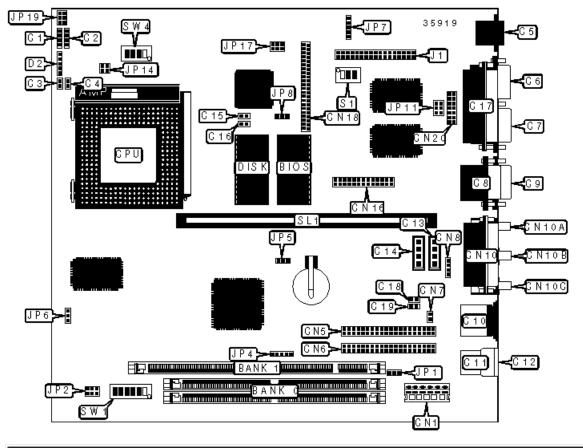|	
Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/SGS 6X86/CX MII/AM K5/AM K6/Pentium/
	Pentium MMX
Processor Speed	75/90/100/120/133/150/166/200/233/266/300MHz
Chip Set	SIS 5582
Video Chip Set	Chips and Technology
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	2MB
Cache	512KB
BIOS	Award
Dimensions	225mm x 220mm
I/O Options	Ethernet 10BaseT connector, floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, riser slot, IR connector, USB connectors (2), line in, line out, microphone in, audio in – CD-ROMs (2)

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Speaker	C1	Volume up	C19

IR connector	C2	Power LED & keylock	D2
Reset switch	C3	Power connector	CN1
IDE interface LED	C4	IDE interface	CN5
Ethernet 10BaseT connector	C5	IDE interface	CN6
VGA port	C6	Modem connector	CN7
Serial port 2	C7	Line out	CN8
Serial port 3	C8	Game/MIDI port	CN10
Serial port 1	C9	Microphone in	CN10A
PS/2 mouse port	C10	Line in	CN10B
USB connector 1	C11	Line out	CN10C
USB connector 2	C12	Parallel port	CN16
Audio in – CD-ROM (Panasonic)	C13	LCD connector	CN18
Audio in – CD-ROM (Sony)	C14	Serial port	CN20
Link LED	C15	Floppy drive interface	J1
RX LED	C16	GPIO connector	JP4
Parallel port	C17	LCD backlight connector	JP7
Volume down	C18	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» On board video enabled	JP2	Pins 2 & 4, 3 & 5 closed
On board video disabled	JP2	Pins 1 & 3, 4 & 6 closed
» CMOS memory normal operation	JP5	Pins 1 & 2 closed
CMOS memory clear	JP5	Pins 2 & 3 closed
» PCI clock select 1/2 CPU clock	JP6	Pins 2 & 3 closed

	PCI clock select 32MHz	JP6	Pins 1 & 2 closed
»	LCD signal select SHF CLK from C & T 65550	JP8	Pins 1 & 2 closed
	LCD signal select ASHF CLK from SHF CLK	JP8	Pins 2 & 3 closed
»	LCD panel voltage select 5v	JP17	Pins 3 & 5, 4 & 6 closed
	LCD panel voltage select 3.3v	JP17	Pins 1 & 3, 2 & 4 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.	

DIMM CONFIGURATION	
Size	**Bank 1**
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64
Note: Board accepts SDRAM memory.	

SIMM VOLTAGE CONFIGURATION	
Voltage	**JP1**

3.3v	Pins 2 & 3 closed
» 5v	Pins 1 & 2 closed

CACHE CONFIGURATION
Note: The location of the cache is unidentified.

VIDEO MEMORY CONFIGURATION
Note: The location of the video memory is unidentified.

CPU SPEED SELECTION (SGS 6X86)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
120MHz	50MHz	2x	On	On	On	Off	Off	On
133MHz	55MHz	2x	On	On	Off	Off	Off	On
150MHz	60MHz	2x	Off	On	On	Off	Off	On
166MHz	66MHz	2x	On	Off	On	Off	Off	On

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
120MHz	50MHz	2x	On	On	On	Off	Off	On
133MHz	55MHz	2x	On	On	Off	Off	Off	On
150MHz	60MHz	2x	Off	On	On	Off	Off	On
166MHz	66MHz	2x	On	Off	On	Off	Off	On

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
120MHz	50MHz	2x	On	On	On	Off	Off	On
133MHz	55MHz	2x	On	On	Off	Off	Off	On
150MHz	60MHz	2x	Off	On	On	Off	Off	On

166MHz	66MHz	2x	On	Off	On	Off	Off	On

CPU SPEED SELECTION (CX MII)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
233MHz	66MHz	3.5x	On	Off	On	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	On	Off	On
300MHz	66MHz	4.5x	On	Off	On	On	On	On

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
75MHz	50MHz	1.5x	On	On	On	Off	Off	Off
90MHz	60MHz	1.5x	Off	On	On	Off	Off	Off
100MHz	66MHz	1.5x	On	Off	On	Off	Off	Off
120MHz	60MHz	2x	Off	On	On	Off	Off	On
133MHz	66MHz	2x	On	Off	On	Off	Off	On
150MHz	60MHz	2.5x	Off	On	On	Off	On	On
166MHz	66MHz	2.5x	On	Off	On	Off	On	On

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
166MHz	66MHz	2.5x	On	Off	On	Off	On	On
200MHz	66MHz	3x	On	Off	On	Off	On	Off
233MHz	66MHz	3.5x	On	Off	On	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	On	Off	On
300MHz	66MHz	4.5x	On	Off	On	On	On	On

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SWA/1	SWA/2	SWA/3	SWA/4	SWA/5	SWA/6
75MHz	50MHz	1.5x	On	On	On	Off	Off	Off
90MHz	60MHz	1.5x	Off	On	On	Off	Off	Off
100MHz	66MHz	1.5x	On	Off	On	Off	Off	Off
120MHz	60MHz	2x	Off	On	On	Off	Off	On
133MHz	66MHz	2x	On	Off	On	Off	Off	On
150MHz	60MHz	2.5x	Off	On	On	Off	On	On
166MHz	66MHz	2.5x	On	Off	On	Off	On	On
200MHz	66MHz	3x	On	Off	On	Off	On	Off

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**SWA/1**	**SWA/2**	**SWA/3**	**SWA/4**	**SWA/5**	**SWA/6**
166MHz	66MHz	2.5x	On	Off	On	Off	On	On
200MHz	66MHz	3x	On	Off	On	Off	On	Off
233MHz	66MHz	3.5x	On	Off	On	Off	Off	Off

CPU TYPE SELECTION	
Type	**JP14**
Single voltage	Pins 1 & 2, 3 & 4 closed
» Dual voltage	Open

CPU VOLTAGE SELECTION				
Voltage	**SW4/1**	**SW4/2**	**SW4/3**	**SW4/4**
2.2v	Off	Off	On	Off
2.5v	Off	On	Off	On
2.7v	Off	On	On	On

	Setting			
»	2.8v	On	Off	Off	Off
	2.9v	On	Off	Off	On
	3.1v	On	Off	On	On
	3.2v	On	On	Off	Off
	3.4v	On	On	On	Off
	3.5v	On	On	On	On

DISK ADDRESS SELECTION			
Setting	**S1/1**	**S1/2**	**S1/3**
CC00	Off	Off	Off
D000	Off	Off	On
D400	Off	On	Off
D800	Off	On	On
DC00	On	Off	Off

(» marks the D000 row)

SERIAL PORT 2 SELECTION	
Setting	**JP11**
RS-232	Pins 1 & 2 closed
RS-422	Pins 3 & 4 closed
RS-485	Pins 5 & 6 closed

(» marks the RS-232 row)

SERIAL PORT 2/IR PORT SELECTION	
Setting	**JP19**
COM2	Pins 1 & 3, 2 & 4 closed
IR	Pins 3 & 5, 4 & 6 closed

(» marks the COM2 row)