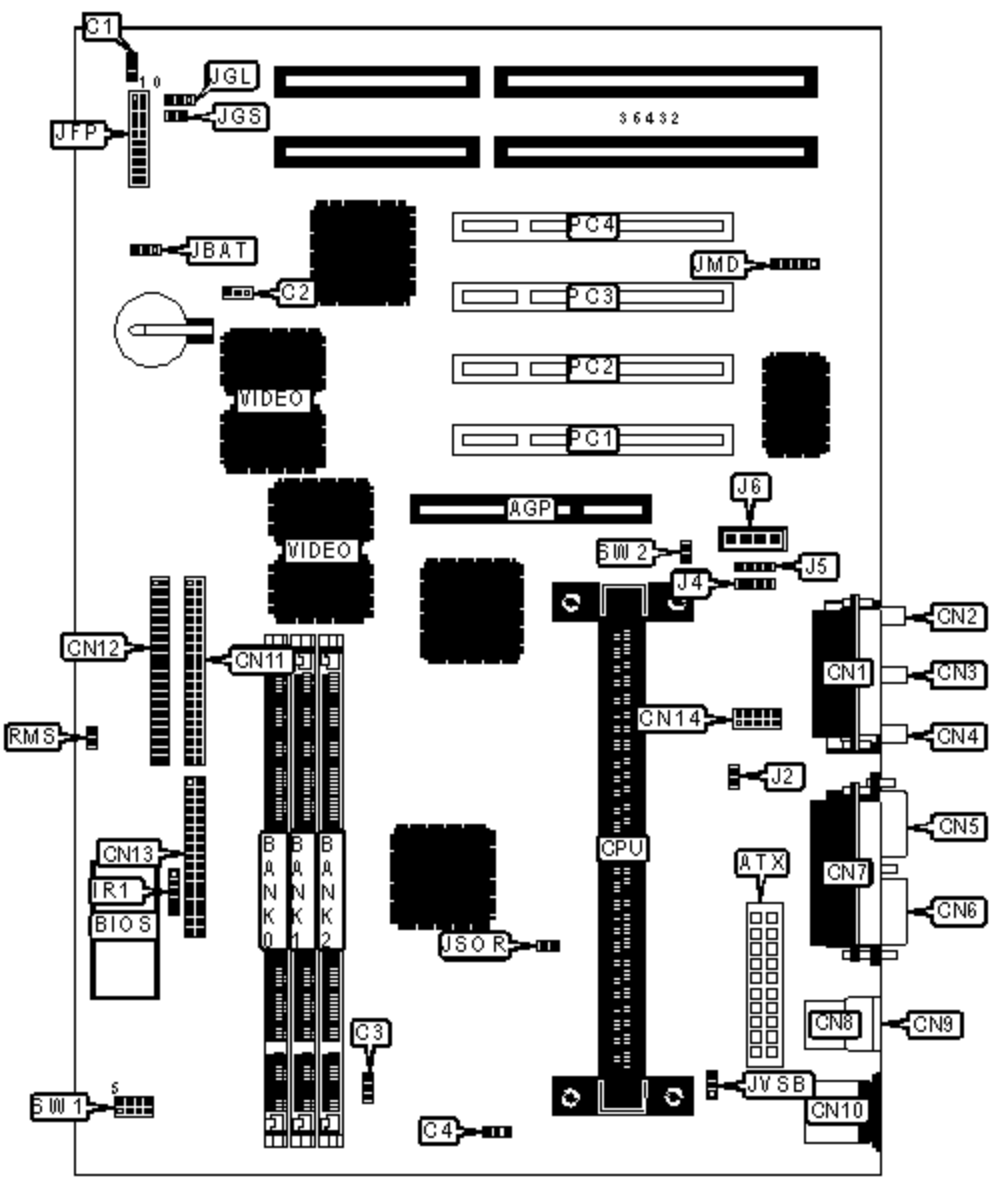


MICRO-STAR INTERNATIONAL CO., LTD.

MS-6151

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	Intel 440BX
Video Chip Set	ATI
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Video Memory	8MB
Cache	256/512KB (located on Pentium II CPU)
BIOS	Unidentified
Dimensions	300mm x 192mm
I/O Options	32-bit PCI slots (4), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROM, wake on LAN connector, wake on modem connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 2	CN14

ATX power connector	ATX	IR connector	IR1
Chassis fan power	C1	Chassis intrusion connector	J2
Wake on LAN connector	C2	Modem in connector	J4
CPU fan power	C3	Auxiliary in	J5
Power fan power	C4	Audio in - CD-ROM	J6
Game/MIDI port	CN1	Keylock	JFP/pins 1 & 10
Microphone in	CN2	IDE interface LED	JFP/pins 3 & 13
Line in	CN3	Power LED	JFP/pins 4 - 6
Line out	CN4	Soft off power supply	JFP/pins 7 & 8
VGA port	CN5	Speaker	JFP/pins 13 - 16
Serial port 1	CN6	Reset switch	JFP/pins 17 & 18
Parallel port	CN7	Green PC LED	JGL
USB connector 1	CN8	Green PC connector	JGS
USB connector 2	CN9	Wake on modem connector	JMD
PS/2 mouse port	CN10	Temperature sensor	JSOR
IDE interface 2	CN11	32-bit PCI slots	PC1 - PC4
IDE interface 1	CN12	Remote power on/off switch	RMS
Floppy drive interface	CN13		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JBAT	Pins 1 & 2 closed
	CMOS memory clear	JBAT	Pins 2 & 3 closed
»	Keyboard power on disabled	JVSB	Pins 2 & 3 closed
	Keyboard power on enabled	JVSB	Pins 1 & 2 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
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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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
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) 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
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts SDRAM memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

VIDEO MEMORY CONFIGURATION

Note: Video memory is factory installed and is not configurable.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	SW1/pins 1 & 5	SW1/pins 2 & 6
233MHz	66MHz	3.5x	Closed	Open
266MHz	66MHz	4x	Closed	Closed
300MHz	66MHz	4.5x	Closed	Open
333MHz	66MHz	5x	Closed	Closed
350MHz	100MHz	3.5x	Closed	Open
400MHz	100MHz	4x	Closed	Closed

450MHz	100MHz	4.5x	Closed	Open
500MHz	100MHz	5x	Closed	Closed

CPU SPEED SELECTION (CON'T)				
CPU speed	Clock speed	Multiplier	SW1/pins 3 & 7	SW1/pins 4 & 8
233MHz	66MHz	3.5x	Open	Closed
266MHz	66MHz	4x	Closed	Open
300MHz	66MHz	4.5x	Closed	Open
333MHz	66MHz	5x	Open	Open
350MHz	100MHz	3.5x	Open	Closed
400MHz	100MHz	4x	Closed	Open
450MHz	100MHz	4.5x	Closed	Open
500MHz	100MHz	5x	Open	Open

CPU FREQUENCY SELECTION	
Speed	SW2
Auto detect	Closed
66MHz	Open