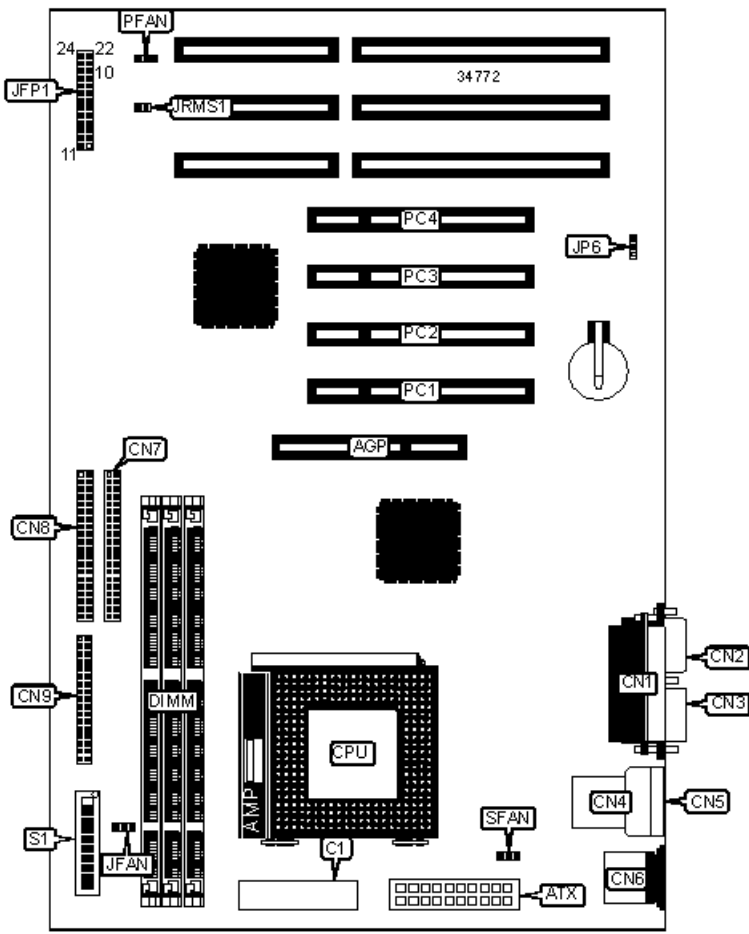


MICRO-STAR INTERNATIONAL CO., LTD.

MS-5169

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/Pentium
Processor Speed	Unidentified
Chip Set	Aladdin
Video Chip Set	None
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Unidentified
Dimensions	300mm x 186mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connectors (2), ATX power connector, AGP slot
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Floppy drive interface	CN9

ATX power connector	ATX	Chassis fan power	JFAN
Switching regulator	C1	Power LED & keylock	JFP1/pins 1 - 5
Parallel port	CN1	Speaker	JFP1/pins 7 - 10
Serial port 2	CN2	Turbo LED	JFP1/pins 12 & 13
Serial port 1	CN3	Reset switch	JFP1/pins 19 & 20
USB connector 1	CN4	IDE interface LED	JFP1/pins 22 & 24
USB connector 2	CN5	Soft off power supply	JRMS1
PS/2 mouse port	CN6	32-bit PCI slots	PC1 – PC4
IDE interface	CN7	Chassis fan power	PFAN
IDE interface	CN8	Chassis fan power	SFAN

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JP6	Unidentified
»	Factory configured - do not alter	S1/6	Unidentified

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
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

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
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) 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) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M 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 EDO & SDRAM memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is factory installed and is not configurable. The location is unidentified.

CPU CLOCK SPEED SELECTION

CPU speed	S1/4	S1/5
66MHz	Off	On
75MHz	Off	Off
83MHz	On	On
100MHz	On	Off

CPU MULTIPLIER SELECTION

Multiplier	S1/1	S1/2	S1/3
1.5x	Off	Off	Off
2x	On	Off	Off
2.5x	On	On	Off
3x	Off	On	Off
3.5x	Off	Off	Off

CPU VOLTAGE SELECTION

Voltage	V core	S1/7	S1/8	S1/9	S1/10
3.3v	2.1v	Off	Off	Off	Off
3.3v	2.2v	On	Off	Off	Off
3.3v	2.3v	Off	On	Off	Off
3.3v	2.4v	On	On	Off	Off
3.3v	2.5v	Off	Off	On	Off
3.3v	2.6v	On	Off	On	Off

3.3v	2.7v	Off	On	On	Off
3.3v	2.8v	On	On	On	Off
3.3v	2.9v	Off	Off	Off	On
3.3v	3.0v	On	Off	Off	On
3.3v	3.1v	Off	On	Off	On
3.3v	3.2v	On	On	Off	On
3.3v	3.3v	Off	Off	On	On
3.3v	3.4v	On	Off	On	On
3.5v	3.5v	Off	On	On	On
3.3v	3.6v	On	On	On	On