GENOA SYSTEMS CORPORATION
P L A T I N U M   5 8 6 T X

Processor	CX 6X86L/IBM 6X86L/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
NPU Options	None
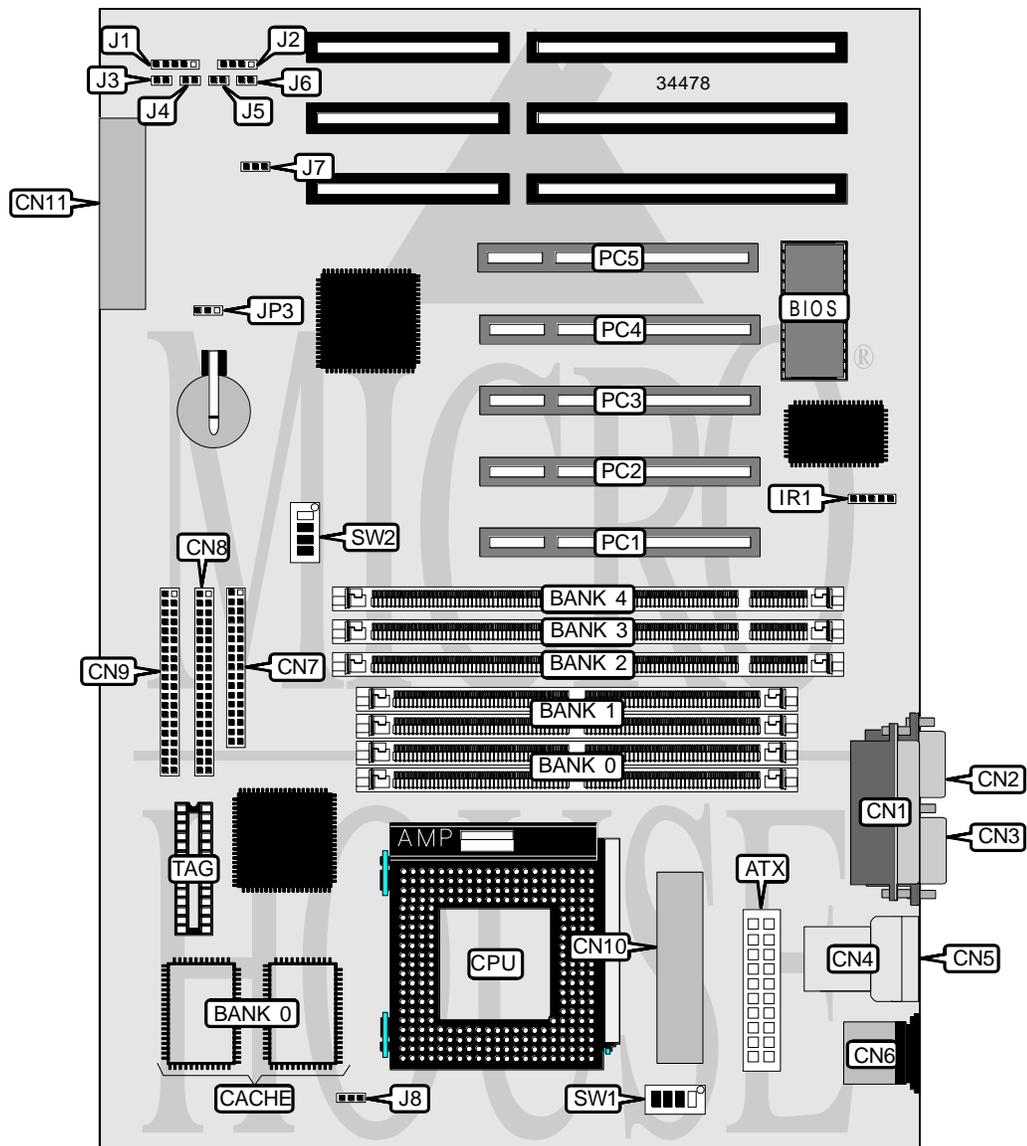
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	LM78 module socket	CN11
Parallel port	CN1	IR connector	IR1
Serial port 2	CN2	Power LED & keylock	J1
Serial port 1	CN3	Speaker	J2
USB connector 1	CN4	Power switch	J3
USB connector 2	CN5	Reset switch	J4
PS/2 mouse port	CN6	Green PC LED	J5
Floppy drive interface	CN7	Turbo switch	J6
IDE interface	CN8	Chassis fan power	J7
IDE interface	CN9	CPU fan power	J8
Switching regulator	CN10	32-bit PCI slots	PC1 – PC5

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP3	Open
CMOS memory clear	JP3	Pins 2 & 3 closed

DRAM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

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DIMM CONFIGURATION			
Size	Bank 2	Bank 3	Bank 4
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

DIMM/DRAM CONFIGURATION					
Size	Bank 0	Bank 1	Bank 2	Bank 3	Bank 4
16MB	None	(2) 1M x 36	(1) 1M x 64	None	None
16MB	None	(2) 1M x 36	None	(1) 1M x 64	None
24MB	(2) 1M x 36	(2) 1M x 36	(1) 1M x 64	None	None
24MB	(2) 1M x 36	None	(1) 1M x 64	None	(1) 1M x 64
32MB	(2) 1M x 36	(2) 1M x 36	(1) 2M x 64	None	None
32MB	None	(2) 2M x 36	(1) 2M x 64	None	None
32MB	None	(2) 2M x 36	None	(1) 2M x 64	None
40MB	(2) 2M x 36	(2) 2M x 36	(1) 1M x 64	None	None
40MB	(2) 2M x 36	None	(1) 2M x 64	None	(1) 1M x 64
48MB	(2) 2M x 36	(2) 2M x 36	(1) 2M x 64	None	None
48MB	(2) 1M x 36	(2) 1M x 36	(1) 4M x 64	None	None
64MB	(2) 2M x 36	(2) 2M x 36	(1) 4M x 64	None	None
64MB	None	(2) 4M x 36	(1) 4M x 64	None	None
64MB	None	(2) 4M x 36	None	(1) 4M x 64	None
72MB	(2) 4M x 36	(2) 4M x 36	(1) 1M x 64	None	None
72MB	(2) 4M x 36	None	(1) 4M x 64	None	(1) 1M x 64
80MB	(2) 4M x 36	(2) 4M x 36	(1) 2M x 64	None	None
96MB	(2) 4M x 36	(2) 4M x 36	(1) 4M x 64	None	None
128MB	None	(2) 8M x 36	None	(1) 8M x 64	None
128MB	None	(2) 8M x 36	(1) 8M x 64	None	None
136MB	(2) 8M x 36	(2) 8M x 36	(1) 1M x 64	None	None
136MB	(2) 8M x 36	None	(1) 8M x 64	None	(1) 1M x 64
160MB	(2) 8M x 36	(2) 8M x 36	(1) 4M x 64	None	None
256MB	None	(2) 16M x 36	None	(1) 16M x 64	None
256MB	None	(2) 16M x 36	(1) 16M x 64	None	None

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CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CYRIX)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	55MHz	2x	On	Off	On	On
150MHz	60MHz	2x	On	Off	On	Off
166MHz	66MHz	2x	On	Off	Off	Off

CPU SPEED SELECTION (IBM)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	55MHz	2x	On	Off	On	On
150MHz	60MHz	2x	On	Off	On	Off
166MHz	66MHz	2x	On	Off	Off	Off

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
90MHz	60MHz	1.5x	Off	Off	On	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	1.5x	Off	Off	On	Off
133MHz	66MHz	1.5x	On	Off	Off	Off
150MHz	60MHz	1.75x	On	On	On	Off
166MHz	66MHz	1.75x	On	On	Off	Off

CPU SPEED SELECTION (AM K6)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
90MHz	60MHz	1.5x	Off	Off	On	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	On	Off
133MHz	66MHz	2x	On	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

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CPU VOLTAGE SELECTION				
Voltage	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
2.5v	On	Off	Off	Off
2.8v	Off	On	Off	Off
2.9v	Off	Off	On	Off
3.2v	Off	Off	Off	On
3.3v	N/A	N/A	N/A	N/A
3.5v	N/A	N/A	N/A	N/A