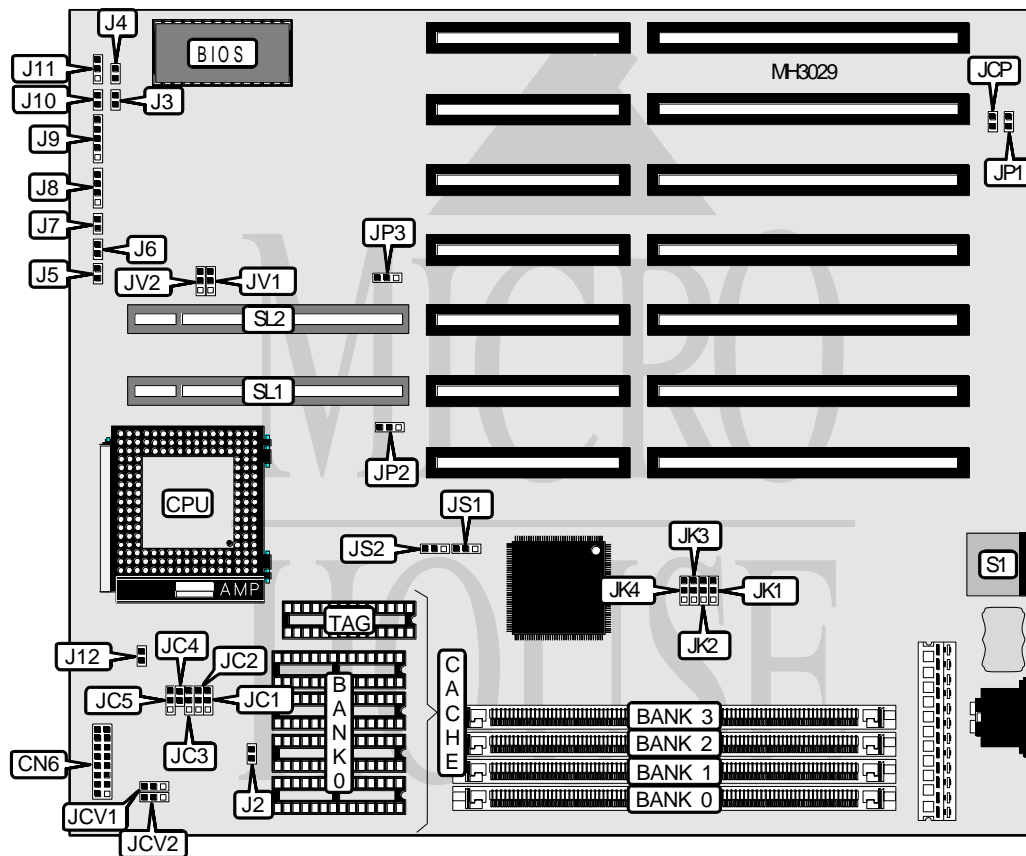


GENOA SYSTEMS CORPORATION

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Processor	CX486SX/80486SX/SL80486SX/CX486DX/SLCX486DX/AM486DX/80486DX/ SL80486DX/CX486DX2/SLCX486DX2/AM486DX2/80486DX2/SL80486DX2/ AM486DX4/80486DX4/P24CT/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	VIA
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	Daughter board connector, PS/2 mouse port, green PC connector, 32-bit VESA local bus slots (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Daughter board connector	CN6	Speaker	J8
Green PC LED	J3	Power LED & keylock	J9
Green PC power connector	J4	Green PC connector	J10
Turbo LED	J5	Chassis fan power	J11
Turbo switch	J6	PS/2 mouse interface	S1
Reset switch	J7	32-bit VESA local bus slots	SL1 - SL2

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GENOA SYSTEMS CORPORATION

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í AM486DX2 clock select 2x	J2	Closed
AM486DX2 clock select 3x	J2	Open
í Password select normal operation	JCP	Open
Password select clear	JCP	Closed
í Monitor type select monochrome	JP1	Open
Monitor type select color	JP1	Closed
CPU type select Intel	JP3	pins 1 & 2 closed
CPU type select Cyrix	JP3	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
1MB	NONE	(1) 256K x 36	NONE	NONE
1MB	NONE	NONE	(1) 256K x 36	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 256K x 36	NONE	(1) 256K x 36	NONE
2MB	NONE	NONE	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	
3MB	NONE	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	NONE	(1) 256K x 36	(1) 256K x 36
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	NONE	(1) 1M x 36	NONE	NONE
4MB	NONE	NONE	(1) 1M x 36	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
5MB	(1) 256K x 36	NONE	(1) 1M x 36	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
5MB	(1) 1M x 36	NONE	(1) 256K x 36	NONE
5MB	NONE	(1) 256K x 36	(1) 1M x 36	NONE
5MB	NONE	(1) 1M x 36	(1) 256K x 36	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
6MB	NONE	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	NONE	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 1M x 36	NONE	(1) 1M x 36	NONE
8MB	NONE	NONE	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE

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GENOA SYSTEMS CORPORATION

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
9MB	NONE	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	NONE	(1) 1M x 36	(1) 1M x 36
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	NONE	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	NONE	(1) 1M x 36	(1) 1M x 36
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
13MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
16MB	NONE	(1) 4M x 36	NONE	NONE
16MB	NONE	NONE	(1) 4M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
17MB	(1) 256K x 36	NONE	(1) 4M x 36	NONE
17MB	NONE	(1) 256K x 36	(1) 4M x 36	NONE
17MB	NONE	(1) 4M x 36	(1) 256K x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	NONE
18MB	NONE	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
19MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 1M x 36	NONE	(1) 4M x 36	NONE
20MB	NONE	(1) 1M x 36	(1) 4M x 36	NONE
20MB	NONE	(1) 4M x 36	(1) 1M x 36	NONE
21MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	NONE
21MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	NONE
21MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	NONE
21MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	NONE
22MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	NONE
24MB	NONE	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
25MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
32MB	NONE	NONE	(1) 4M x 36	(1) 4M x 36
32MB	(1) 8M x 36	NONE	NONE	NONE
32MB	NONE	(1) 8M x 36	NONE	NONE
32MB	NONE	(1) 4M x 36	(1) 4M x 36	NONE
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	NONE
33MB	NONE	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
33MB	(1) 256K x 36	NONE	(1) 4M x 36	(1) 4M x 36
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	NONE	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36

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GENOA SYSTEMS CORPORATION

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 1M x 36	NONE	(1) 4M x 36	(1) 4M x 36
37MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
37MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	NONE	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	NONE	(1) 8M x 36	(1) 8M x 36	NONE
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	NONE
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
66MB	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36
67MB	(1) 256K x 36	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
68MB	NONE	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36
68MB	NONE	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	NONE
69MB	(1) 256K x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
69MB	(1) 256K x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 8M x 36	(1) 256K x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
72MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36	NONE
80MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	NONE
81MB	(1) 256K x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
81MB	(1) 256K x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
97MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION		
Size	Bank 0	TAG
128KB	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION		
Size	JS1	JS2
128KB	pins 1 & 2 closed	pins 1 & 2 closed
256KB	pins 2 & 3 closed	pins 1 & 2 closed
512KB	pins 2 & 3 closed	pins 2 & 3 closed

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GENOA SYSTEMS CORPORATION

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CPU TYPE CONFIGURATION					
Type	JC1	JC2	JC3	JC4	JC5
CX486SX	2 & 3	2 & 3	1 & 2	Open	2 & 3
80486SX	2 & 3	2 & 3	1 & 2	Open	1 & 2
SL80486SX	2 & 3	2 & 3	1 & 2	Open	1 & 2
CX486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
SLCX486DX	1 & 2	1 & 2	1 & 2	Open	2 & 3
AM486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
80486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
SL80486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
CX486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2
SLCX486DX2	1 & 2	1 & 2	1 & 2	Open	2 & 3
80486DX2	2 & 3	2 & 3	1 & 2	Open	1 & 2
SL80486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2
80486DX4	2 & 3	2 & 3	1 & 2	Open	1 & 2
P24CT	1 & 2	1 & 2	1 & 2	Closed	1 & 2
P24T	1 & 2	1 & 2	1 & 2	Closed	1 & 2
P24D	1 & 2	1 & 2	1 & 2	Closed	1 & 2
N					

CPU TYPE CONFIGURATION				
Type	RN16	RN17	RN18	RN19
CX486SX	Installed	Not installed	Not installed	Not installed
80486SX	Not installed	Not installed	Not installed	Installed
SL80486SX	Not installed	Not installed	Not installed	Installed
CX486DX	Installed	Not installed	Not installed	Not installed
SLCX486DX	Installed	Not installed	Not installed	Not installed
AM486DX	Not installed	Not installed	Installed	Not installed
80486DX	Not installed	Not installed	Not installed	Installed
SL80486DX	Not installed	Not installed	Not installed	Installed
CX486DX2	Installed	Not installed	Not installed	Not installed
SLCX486DX2	Installed	Not installed	Not installed	Not installed
AM486DX2	Not installed	Not installed	Installed	Not installed
80486DX2	Not installed	Not installed	Not installed	Installed
SL80486DX2	Not installed	Not installed	Not installed	Installed
AM486DX4	Not installed	Not installed	Installed	Not installed
80486DX4	Not installed	Not installed	Not installed	Installed
P24CT	Not installed	Installed	Not installed	Installed
P24T	Not installed	Installed	Not installed	Installed
P24D	Not installed	Installed	Not installed	Installed
Note: The exact location of RN16, RN17, RN18 and RN19 are unidentified.				

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GENOA SYSTEMS CORPORATION

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CPU JUMPER CONFIGURATION	
Type	J12
SLAM486DX2	Closed
AM486DX4	Open

CPU SPEED CONFIGURATION				
Speed	JK1	JK2	JK3	JK4
25MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
66MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
75MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
100MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed

VOLTAGE CONFIGURATION		
Voltage	JCV1	JCV2
3.0v	pins 1 & 2 closed	Open
3.3v	pins 2 & 3 closed	Open
3.45v	Open	Open
3.6v	Open	pins 1 & 2 closed
4.0v	Open	pins 2 & 3 closed

VESA WAIT STATE CONFIGURATION	
Wait states	JV1
0 wait states	pins 2 & 3 closed
1 wait state	pins 1 & 2 closed

VESA LOCAL BUS SPEED CONFIGURATION	
CPU speed	JV2
≤ 33MHz	pins 2 & 3 closed
> 33MHz	pins 1 & 2 closed