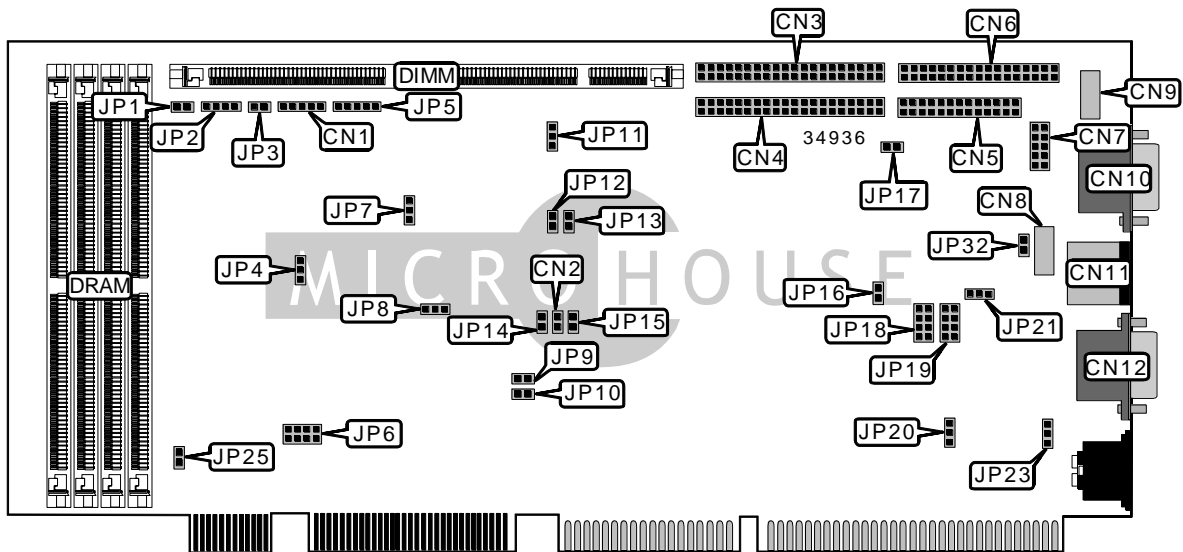


LANNER ELECTRONICS, INC.

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Device Type	Single board computer
Processor	CX 6X86/CX M2/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	S3
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	2MB
Cache	512KB
BIOS	Award
Dimensions	337mm x 122mm
I/O Options	Floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2)
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Auxiliary keyboard connector	CN1	PS/2 mouse port	CN11
IDE interface 1	CN3	Serial port 1	CN12
IDE interface 2	CN4	Reset switch	JP1
Parallel port	CN5	Speaker	JP2
Floppy drive interface	CN6	IDE interface LED	JP3
Serial port 2	CN7	Power LED & keylock	JP5
VGA port	CN10		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	CN2	Unidentified
í Factory configured - do not alter	CN8	Unidentified
í Factory configured - do not alter	CN9	Unidentified
í Factory configured - do not alter	JP4	Unidentified
í Factory configured - do not alter	JP7	Unidentified
í Factory configured - do not alter	JP11	Unidentified
í Factory configured - do not alter	JP14	Unidentified
í Factory configured - do not alter	JP15	Unidentified
í PS/2 mouse IRQ select IRQ12 enabled	JP16	Closed
PS/2 mouse IRQ select IRQ12 disabled	JP16	Open
í Factory configured - do not alter	JP17	Unidentified
í Factory configured - do not alter	JP20	Unidentified
í Factory configured - do not alter	JP21	Unidentified
í CPU temperature alarm enabled	JP25	Closed
CPU temperature alarm disabled	JP25	Open
í Factory configured - do not alter	JP32	Unidentified

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 256K x 36	None
4MB	(2) 512K x 36	None
4MB	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36
8MB	(2) 1M x 36	None

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 1M x 36	(2) 512K x 36
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 2M x 36	(2) 512K 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
34MB	(2) 4M x 36	(2) 256K x 36
36MB	(2) 4M x 36	(2) 512K 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
66MB	(2) 8M x 36	(2) 256K x 36
68MB	(2) 8M x 36	(2) 512K 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

Note: Board accepts EDO memory.

DIMM CONFIGURATION	
Size	Bank 0
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.

CACHE CONFIGURATION
Note: 512KB cache is factory installed and is not configurable. The location is unidentified.

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VIDEO MEMORY CONFIGURATION

Note: 2MB video memory is factory installed and is not configurable. The location is unidentified.

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
120MHz	50MHz	2x	Closed	Closed	Open	Open
133MHz	55MHz	2x	Open	Closed	Closed	Open
150MHz	60MHz	2x	Closed	Open	Closed	Open
166MHz	66MHz	2x	Open	Open	Closed	Open

CPU SPEED SELECTION (CX M2)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	66MHz	2x	Open	Open	Closed	Open
200MHz	66MHz	2x	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
75MHz	50MHz	1.5x	Closed	Closed	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Open	Open	Closed	Open
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Open	Closed	Closed

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	66MHz	2.5x	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed

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CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
75MHz	50MHz	1.5x	Closed	Closed	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Open	Open	Closed	Open
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Open	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	66MHz	2.5x	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed

CPU TYPE SELECTION	
Type	JP8
í Single voltage	Pins 2 & 3 closed
Dual voltage	Pins 1 & 2 closed

CPU VOLTAGE SELECTION	
Voltage	JP6
2.5v	Pins 7 & 8 closed
2.9v	Pins 5 & 6 closed
3.3v	Open
í 3.4v	Pins 1 & 2 closed
3.5v	Pins 3 & 4 closed

WATCHDOG TIMER SELECTION	
Setting	JP23
í System reset	Pins 1 & 2 closed
Active NMI	Pins 2 & 3 closed
Disabled	Open

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WATCHDOG TIME OUT SELECTION				
Setting	JP19/pins 1 & 2	JP19/pins 3 & 4	JP19/pins 5 & 6	JP19/pins 7 & 8
1 sec	Open	Open	Closed	Open
2 sec	Open	Open	Closed	Closed
10 sec	Open	Closed	Open	Open
20 sec	Open	Closed	Open	Closed
110 sec	Closed	Open	Open	Open
220 sec	Closed	Open	Open	Closed

DISK ON CHIP SELECTION	
Setting	JP18
D000	Pins 1 & 2 closed
D8000	Pins 3 & 4 closed
E000	Pins 5 & 6 closed
E800	Pins 7 & 8 closed