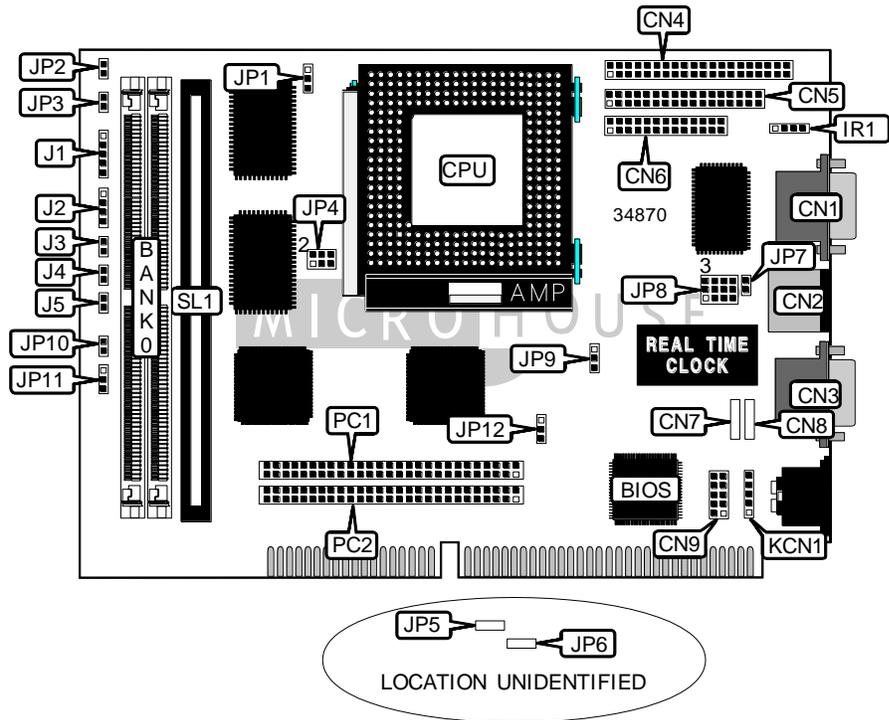


# LANNER ELECTRONICS, INC.

## AP-52001H

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/180/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	Unidentified
<b>Maximum Onboard Memory</b>	64MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	1MB
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	185mm x 122mm
<b>I/O Options</b>	Floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, IR connector, USB connectors (2), VGA interface, PCI piggyback connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Power LED & keylock	J1
PS/2 mouse port	CN2	Speaker	J2
Serial port 2	CN3	IDE interface LED	J3
IDE interface 1	CN4	Turbo LED	J4
IDE interface 2	CN5	Reset switch	J5
Parallel port	CN6	Green PC connector	JP10
USB connector 1	CN7	Auxiliary keyboard connector	KCN1
USB connector 2	CN8	PCI piggyback connector	PC1
VGA interface	CN9	PCI piggyback connector	PC2
IR connector	IR1	Cache slot	SL1

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	JP5	Open
í Factory configured - do not alter	JP6	Open
í CMOS memory normal operation	JP7	Open
CMOS memory clear	JP7	Closed
Power good signal detect from power supply	JP11	Pins 2 & 3 closed
Power good signal detect from board	JP11	Pins 1 & 2 closed
Flash BIOS voltage select 12v	JP12	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP12	Pins 1 & 2 closed

SIMM CONFIGURATION	
Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36

CACHE CONFIGURATION	
Size	SL1
256KB	256KB module installed
512KB	512KB module installed

VIDEO MEMORY CONFIGURATION
Note: The size & location of the video memory is unidentified.

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CPU SPEED SELECTION (CYRIX)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
120MHz	60MHz	2x	Open	Closed	1 & 2
133MHz	66MHz	2x	Open	Closed	Open
150MHz	60MHz	2x	Open	Closed	1 & 2
166MHz	66MHz	2x	Open	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
75MHz	50MHz	1.5x	Open	Open	3 & 4
90MHz	60MHz	1.5x	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	1 & 2
133MHz	66MHz	2x	Open	Closed	Open
150MHz	60MHz	2.5x	Closed	Closed	1 & 2
166MHz	66MHz	2.5x	Closed	Closed	Open
180MHz	60MHz	3x	Closed	Open	1 & 2
200MHz	66MHz	3x	Closed	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage	JP1
3.3v	Pins 1 & 2 closed
3.5v	Pins 2 & 3 closed

WATCHDOG TIMER ACTIVE SELECTION	
Time out	JP8
.5 sec	Pins 2 & 3 closed
1 sec	Pins 5 & 6 closed
2 sec	Pins 8 & 9 closed
4 sec	Pins 11 & 12 closed
8 sec	Pins 10 & 11 closed
16 sec	Pins 7 & 8 closed
32 sec	Pins 4 & 5 closed
64 sec	Pins 1 & 2 closed

WATCHDOG TIMER ACTIVE SELECTION	
Setting	JP9
Reset system	Pins 1 & 2 closed
NMI system	Pins 2 & 3 closed
Disabled	Open