

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

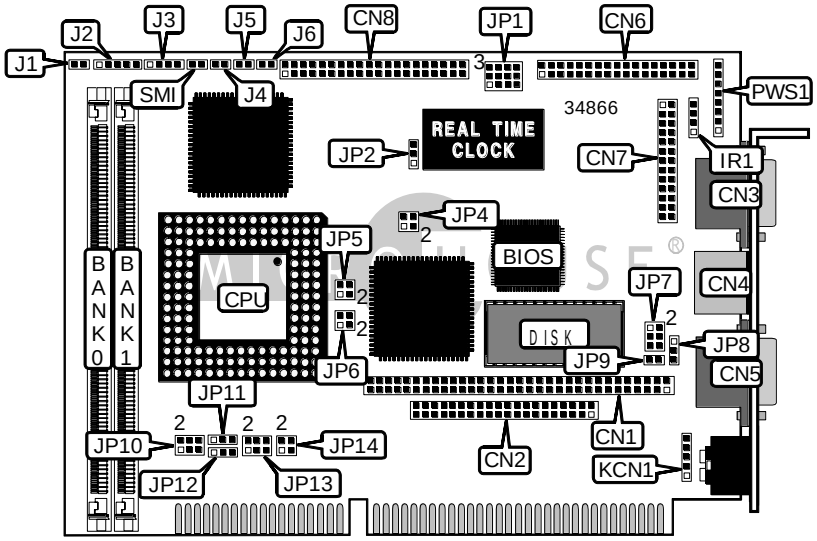
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

LANNER ELECTRONICS, INC.
A P - 4 0 A H D

Device Type	Mainboard
Processor	80486SX/CX486DX/CX486DX-GP/80486DX/CX486DX2/CX486DX2-GP/ AM486DX2-SV8B/AM486DX2-V8T/AM486DE2-V8T/80486DX2/ODP486/ CX486DX4/CX486DX4-GP/AM486DX4-V8B/AM486DX4/(SL)AM486DX4/ CX 5X86/ AM 5X86
Processor Speed	25/33/40/50(internal)/50/66(internal)/80(internal)/100(internal)/ 120(internal)/133(internal)MHz
Chip Set	ALI
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	128/256/512KB
BIOS	Award
Dimensions	185mm x 122mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), IR connector, PC/104 connectors (2)
NPU Options	None



Continued on next page. . .

. . . continued from previous page

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PC/104 connector (8-bit)	CN1	Reset switch	J1
PC/104 connector (16-bit)	CN2	Power LED & keylock	J2
Serial port 1	CN3	Speaker	J3
PS/2 mouse port	CN4	IDE interface LED	J4
Serial port 2	CN5	Turbo switch	J5
Floppy drive interface	CN6	Turbo LED	J6
Parallel port	CN7	Auxiliary keyboard connector	KCN1
IDE interface	CN8	Auxiliary power connector	PWS1
IR connector	IR1	Green PC connector	SMI

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í PS/2 mouse IRQ12 enabled	JP9	Closed
PS/2 mouse IRQ12 disabled	JP9	Open

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
1MB	(1) 256K x 36	None
2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	(1) 512K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36
18MB	(1) 512K x 36	(1) 4M x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36

Continued on next page. . .

. . . continued from previous page

SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
33MB	(1) 8M x 36	(1) 256K x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 4M x 36
64MB	(1) 16M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36
68MB	(1) 16M x 36	(1) 1M x 36
72MB	(1) 16M x 36	(1) 2M x 36
80MB	(1) 16M x 36	(1) 4M x 36
92MB	(1) 16M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36
Note: Board accepts EDO memory.		

CACHE CONFIGURATION
Note: Board accepts 128/256/512KB cache. The location & chip sizes are unidentified.

CPU SPEED SELECTION		
Speed	**JP2**	**JP4**
25MHz	Pins 1 & 2 closed	Open
33MHz	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
40MHz	Pins 2 & 3 closed	Pins 3 & 4 closed
50iMHz	Pins 1 & 2 closed	Open
50MHz	Pins 2 & 3 closed	Pins 1 & 2 closed
66iMHz	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
80iMHz	Pins 2 & 3 closed	Pins 3 & 4 closed
100iMHz	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
120iMHz	Pins 2 & 3 closed	Pins 3 & 4 closed
133iMHz	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed

Continued on next page. . .

. . . continued from previous page

CPU TYPE SELECTION					
Type	**JP10**	**JP11**	**JP12**	**JP13**	**JP14**
80486SX	Open	1 & 2	1 & 2	Open	Open
CX486DX	2 & 4	1 & 2	2 & 3	2 & 4	1 & 2, 3 & 4
CX486DX-GP	1 & 3, 4 & 6	1 & 2	2 & 3	1 & 3, 4 & 6	Open
80486DX	Open	1 & 2	2 & 3	Open	Open
CX486DX2	2 & 4	1 & 2	2 & 3	2 & 4	1 & 2, 3 & 4
CX486DX2-GP	1 & 3, 4 & 6	1 & 2	2 & 3	1 & 3, 4 & 6	Open
AM486DX2-SV8B	2 & 4, 3 & 5	2 & 3	2 & 3	2 & 4	1 & 2, 3 & 4
AM486DX2-V8T	Open	1 & 2	2 & 3	3 & 5	Open
AM486DE2-66 V8T	2 & 4	1 & 2	2 & 3	2 & 4, 3 & 5	1 & 2, 3 & 4
80486DX2	Open	1 & 2	2 & 3	Open	Open
ODP486	Open	1 & 2	2 & 3	Open	Open
CX486DX4	2 & 4	1 & 2	2 & 3	2 & 4	1 & 2, 3 & 4
CX486DX4-GP	1 & 3, 4 & 6	1 & 2	2 & 3	1 & 3, 4 & 6	Open
AM486DX4-SV8B	2 & 4	2 & 3	2 & 3	2 & 4	1 & 2, 3 & 4
AM486DX4-V8T	Open	1 & 2	2 & 3	Open	Open
(SL) AM486DX4	Open	1 & 2	2 & 3	2 & 4	1 & 2, 3 & 4
CX 5X86	2 & 4	1 & 2	2 & 3	2 & 4	1 & 2, 3 & 4
AM 5X86	2 & 4, 3 & 5	2 & 3	2 & 3	2 & 4	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.					

CPU VOLTAGE SELECTION		
Voltage	**JP5**	**JP6**
í 3.3v	Pins 1 & 2, 3 & 4 closed	Open
5v	Open	Pins 1 & 2, 3 & 4 closed

WATCHDOG TIMER ACTIVE SELECTION	
Time out	**JP1**
.5 sec	Pins 2 & 3 closed
1 sec	Pins 5 & 6 closed
2 sec	Pins 8 & 9 closed
í 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

Continued on next page. . .

. . . continued from previous page

WATCHDOG TIMER ACTIVE SELECTION	
Setting	**JP8**
í Reset system	Pins 1 & 2 closed
NMI system	Pins 3 & 4 closed
Disabled	Open

ROM DISK ADDRESS SELECTION	
Setting	**JP7**
C8000	Pins 1 & 2 closed
D0000	Pins 3 & 4 closed
D8000	Pins 5 & 6 closed

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP