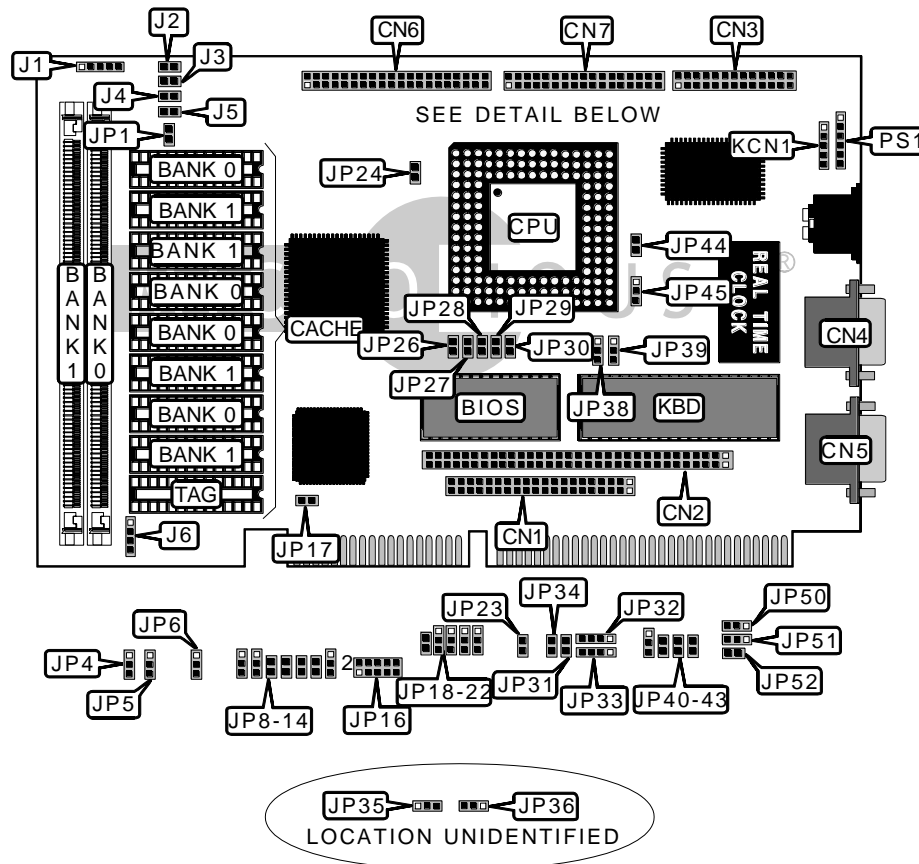


# TECHNOLAND, INC

## PEAK 400

<b>Device Type</b>	Single board computer
<b>Processor</b>	80486SX/ODP486/80486DX/CX486DX2/AM486DX2/80486DX2/ CX486DX4/AM486DX4 NV8T/AM486DX4 SV88/80486DX4/P24T/ CX 5X86/AM 5X86-75
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)/80(internal)/100(internal)/ 120(internal)/MHz
<b>Chip Set</b>	ALI
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB
<b>Maximum Video Memory</b>	None
<b>Cache</b>	64/128/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	185mm x 122mm
<b>I/O Options</b>	Floppy drive interface, IDE interface, parallel port, serial ports (2), PC/104 connectors (2)
<b>NPU Options</b>	None



Continued on next page. . .

TECHNOLAND, INC  
PEAK 400

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
PC/104 connector (16-bit)	CN1	IDE interface LED	J2
PC/104 connector (8-bit)	CN2	Turbo LED	J3
Parallel port	CN3	Turbo switch	J4
Serial port 1	CN4	Reset switch	J5
Serial port 2	CN5	Speaker	J6
IDE interface	CN6	Auxiliary keyboard connector	KCN1
Floppy drive interface	CN7	Power supply connector	PS1
Power LED & keylock	J1		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Serial port 1 COM select COM1	JP8	Pins 1 & 2 closed
Serial port 1 COM select COM3	JP8	Pins 2 & 3 closed
í Factory configured - do not alter	JP10	Unidentified
í Serial port 2 COM select COM2	JP14	Pins 1 & 2 closed
Serial port 2 COM select COM4	JP14	Pins 2 & 3 closed
í IDE interface enabled	JP18	Open
IDE interface disabled	JP18	Closed
í Factory configured - do not alter	JP20	Pins 1 & 2 closed
í Factory configured - do not alter	JP26	Unidentified
í Factory configured - do not alter	JP27	Unidentified
í Factory configured - do not alter	JP28	Unidentified
í Factory configured - do not alter	JP29	Unidentified
í Factory configured - do not alter	JP31	Closed
í Factory configured - do not alter	JP34	Closed
í Factory configured - do not alter	JP35	Pins 2 & 3 closed
í Factory configured - do not alter	JP36	Pins 2 & 3 closed
í Power good signal detect from board	JP39	Pins 1 & 2 closed
Power good signal detect from power supply	JP39	Pins 2 & 3 closed
í Factory configured - do not alter	JP41	Closed
í Floppy drive interface enabled	JP42	Open
Floppy drive interface disabled	JP42	Closed
í Serial port 1 enabled	JP43	Open
Serial port 1 disabled	JP43	Closed
í Serial port 2 enabled	JP52	Open
Serial port 2 disabled	JP52	Closed

Continued on next page...

TECHNOLAND, INC  
PEAK 400

... continued from previous page

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) 512K x 36	(1) 256K 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) 4M x 36	(1) 512K 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
33MB	(1) 8M x 36	(1) 256K x 36
34MB	(1) 8M x 36	(1) 512K x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 8M x 36
64MB	(1) 16M x 36	None
65MB	(1) 16M x 36	(1) 256K x 36
66MB	(1) 16M x 36	(1) 512K 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
96MB	(1) 16M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36

Continued on next page...

TECHNOLAND, INC  
PEAK 400

... continued from previous page

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	Unidentified
128KB	(4) 32K x 8	None	Unidentified
256KB	(4) 32K x 8	(4) 32K x 8	Unidentified

CACHE JUMPER CONFIGURATION				
Size	JP1	JP4	JP5	JP17
64KB	Open	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
128KB	Closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
256KB	Closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed

CPU SPEED SELECTION					
Speed	JP6	JP9	JP11	JP12	JP13
25MHz	1 & 2	1 & 2	Open	Open	Closed
33MHz	1 & 2	1 & 2	Closed	Open	Closed
40MHz	2 & 3	2 & 3	Closed	Closed	Open
50iMHz	1 & 2	1 & 2	Open	Open	Closed
50MHz	2 & 3	2 & 3	Open	Open	Closed
66iMHz	1 & 2	1 & 2	Closed	Open	Closed
80iMHz	2 & 3	2 & 3	Closed	Closed	Open
100iMHz	1 & 2	1 & 2	Closed	Open	Closed
120iMHz	2 & 3	2 & 3	Closed	Closed	Open

Note: Pins designated should be in the closed position.

Continued on next page...

TECHNOLAND, INC  
PEAK 400

... continued from previous page

CPU TYPE SELECTION						
Type	JP19	JP21	JP22	JP23	JP24	JP30
80486SX	Open	2 & 3	Open	Open	Open	Open
ODP486	Open	2 & 3	2 & 3	Open	Open	Open
80486DX	Open	2 & 3	Open	Open	Open	Open
CX486DX2	Open	1 & 2	Open	Closed	Closed	Open
AM486DX2	1 & 2	2 & 3	2 & 3	Open	Open	Open
80486DX2	Open	2 & 3	Open	Open	Open	Open
CX486DX4	Open	1 & 2	Open	Closed	Closed	Open
AM486DX4 NV8T	Open	2 & 3	Open	Open	Open	Open
AM486DX4 SV88	2 & 3	2 & 3	2 & 3	Open	Open	Open
80486DX4	Open	2 & 3	2 & 3	Open	Open	Open
P24T	Open	1 & 2	Open	Open	Open	Closed
CX 5X86	Open	2 & 3	1 & 2	Open	Closed	Open
AM 5X86-75	2 & 3	2 & 3	2 & 3	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (CON'T)					
Type	JP32	JP33	JP40	JP44	JP45
80486SX	Open	2 & 3	Open	Open	Open
ODP486	1 & 2	1 & 2, 3 & 4	1 & 2	Closed	Open
80486DX	Open	1 & 2, 3 & 4	2 & 3	Open	Open
CX486DX2	2 & 3	1 & 2, 3 & 4	2 & 3	Open	1 & 2
AM486DX2	Open	1 & 2, 3 & 4	2 & 3	Open	Open
80486DX2	Open	1 & 2, 3 & 4	2 & 3	Open	Open
CX486DX4	2 & 3	1 & 2, 3 & 4	2 & 3	Open	1 & 2
AM486DX4 NV8T	Open	1 & 2, 3 & 4	2 & 3	Open	Open
AM486DX4 SV88	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	Open
80486DX4	1 & 2	1 & 2, 3 & 4	2 & 3	Closed	Open
P24T	1 & 2	1 & 2, 3 & 4	1 & 2	Closed	Open
CX 5X86	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	Open
AM 5X86-75	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	2 & 3

Note: Pins designated should be in the closed position.

Continued on next page...

TECHNOLAND, INC  
PEAK 400

... continued from previous page

PARALLEL PORT SELECTION		
Setting	JP50	JP51
Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed
í SPP	Pins 2 & 3 closed	Pins 1 & 2 closed
EPP	Pins 1 & 2 closed	Pins 2 & 3 closed
ECP	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 1 INTERRUPT SELECTION		
IRQ	Port	JP16
í 4	1	Pins 1 & 2 closed
10	3	Pins 5 & 7 closed
11	3	Pins 7 & 8 closed
12	3	Pins 7 & 9 closed

SERIAL PORT 2 INTERRUPT SELECTION		
IRQ	Port	JP16
í 3	2	Pins 3 & 4 closed
10	4	Pins 5 & 6 closed
11	4	Pins 6 & 8 closed
12	4	Pins 9 & 10 closed

WATCHDOG TIMER SELECTION	
Setting	JP38
í Active by reset	Pins 1 & 2 closed
Active by NMI	Pins 2 & 3 closed
Disabled	Open