ELITEGROUP COMPUTER SYSTEMS, INC.
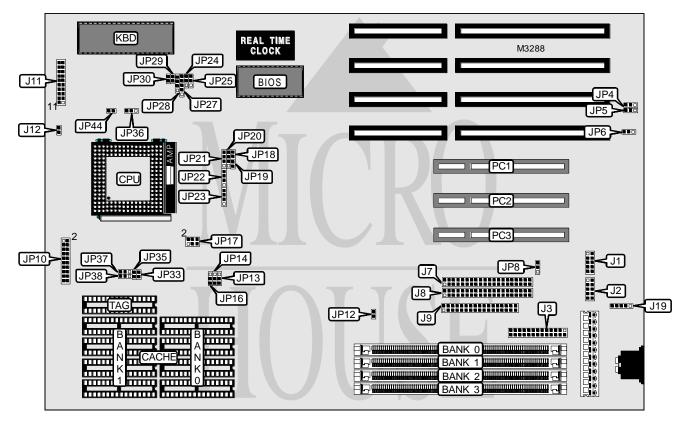# U M 8 8 1 0 P - A I O (V . 2 . 1)

Processor	CX486S/80486SX/SL80486SX/SL80486SX2/80487SX/UMCU5S/ UMCU5SD/CX486DX/AM486DX/80486DX/SL80486DX(WT)/AM486DX2/ 80486DX2/SL80486DX2(WB)/SL80486DX2(WT)/ODPR486DX2/CX486DX2/AM486DX4 /AM486DX4/80486DX4(WB)/80486DX4(WT)/ODPR486DX4/ P24T
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	UMC
Maximum Onboard Memory	128MB
Cache	128/256/512KB
BIOS	Phoenix
Dimensions	330mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	None

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CONNECTIONS			
Function	**Label**	**Function**	**Label**
Serial port 2	J1	Turbo switch	J11 pins 6 & 7
Serial port 1	J2	Reset switch	J11 pins 9 & 10
Parallel port	J3	Power LED & keylock	J11 pins 11 - 15
IDE interface 1	J7	Speaker	J11 pins 17 - 20
IDE interface 2	J8	IDE interface LED	J12
Floppy drive interface	J9	PS/2 mouse interface	J19
Turbo LED	J11 pins 2 & 3	32-bit PCI slots	PC1 - PC3
Green PC connector	J11 pins 4 & 5		

USER CONFIGURABLE SETTINGS		
Setting	**Label**	**Position**
BIOS type select EPROM	JP6	Open
BIOS type select 5v flash	JP6	Pins 1 & 2 closed
BIOS type select 12v flash	JP6	Pins 2 & 3 closed
í On board I/O enabled	JP8	Pins 1 & 2 closed
On board I/O disabled	JP8	Pins 2 & 3 closed
IDE interface enabled	JP12	Open
IDE interface disabled	JP12	Closed
í CMOS memory normal operation	JP30	Open
CMOS memory clear	JP30	Closed

DRAM				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
2MB	(1) 512K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 512K x 36	None	None
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	None
5MB	(1) 512K x 36	(1) 512K x 36	(1) 256K x 36	None
6MB	(1) 512K x 36	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	None
6MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	None
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	None
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
10MB	(1) 1M x 36	(1) 1M x 36	(1) 512K x 36	None
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None

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Size	Bank 0	Bank 1	Bank 2	Bank 3
DRAM (CON'T)				
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None	None	None
16MB	(1) 1M x 36	(1) 1M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	None
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	None
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	None
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	None
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	None
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
34MB	(1) 4M x 36	(1) 4M x 36	(1) 512K x 36	None
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
34MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	None
36MB	(1) 4M x 36	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	None
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 512K x 36	(1) 512K x 36	(1) 8M x 36	None
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	None
65MB	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36	None
66MB	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36
66MB	(1) 8M x 36	(1) 8M x 36	(1) 512K x 36	None
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 8M x 36	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36
68MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	None
68MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
70MB	(1) 512K x 36	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	None
96MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

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CACHE SIZE			
Size	**Bank 0**	**Bank 1**	**TAG**
128KB	(4) 32K x 8	None	(1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB (A)	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB (B)	(4) 128K x 8	None	(1) 32K x 8

CACHE JUMPER					
Size	**JP13**	**JP14**	**JP16**	**JP33**	**JP35**
128KB	Open	1 & 2	2 & 3	Open	Open
256KB	Open	2 & 3	1 & 2	Open	Closed
512KB (A)	Open	2 & 3	1 & 2	Closed	Closed
512KB (B)	1 & 2	2 & 3	2 & 3	Closed	Closed
Note: Pins designated should be in the closed position.					

CPU TYPE					
Setting	**JP18**	**JP19**	**JP20**	**JP21**	**JP22**
CX486S	Open	Closed	2 & 3	Open	2 & 3
80486SX	Open	Open	2 & 3	Open	Open
SL80486SX	Open	Open	2 & 3	Open	1 & 2
SL80486SX2	Open	Open	2 & 3	Open	1 & 2
80487SX	Open	Open	1 & 2, 3 & 4	2 & 3	Open
UMC U5S	Open	Open	2 & 3	1 & 2, 3 & 4	Open
UMC U5SD	Open	Open	1 & 2, 3 & 4	1 & 2, 3 & 4	Open
CX486DX	Open	Closed	1 & 2, 3 & 4	1 & 2	2 & 3
AM486DX	Open	Open	1 & 2, 3 & 4	1 & 2	Open
80486DX	Open	Open	1 & 2, 3 & 4	1 & 2	Open
SL80486DX (WT)	Open	Open	1 & 2, 3 & 4	1 & 2	1 & 2
AM486DX2	Open	Open	1 & 2, 3 & 4	1 & 2	Open
AM486DX2 (SV8B)	Closed	Open	1 & 2, 3 & 4	1 & 2	1 & 2, 3 & 4
80486DX2	Open	Open	1 & 2, 3 & 4	1 & 2	Open
SL80486DX2 (WB)	Closed	Open	1 & 2, 3 & 4	1 & 2	1 & 2, 3 & 4
SL80486DX2 (WT)	Open	Open	1 & 2, 3 & 4	1 & 2	1 & 2
ODPR486DX2	Open	Open	1 & 2, 3 & 4	1 & 2	1 & 2
CX486DX2	Open	Closed	1 & 2, 3 & 4	1 & 2	2 & 3
AM486DX4	Open	Open	1 & 2, 3 & 4	1 & 2	Open
AM486DX4 (SV8B)	Closed	Open	1 & 2, 3 & 4	1 & 2	1 & 2, 3 & 4
80486DX4 (WB)	Closed	Open	1 & 2, 3 & 4	1 & 2	1 & 2, 3 & 4
80486DX4 (WT)	Open	Open	1 & 2, 3 & 4	1 & 2	1 & 2
ODPR486DX4	Open	Open	1 & 2, 3 & 4	1 & 2	1 & 2
P24T	Open	Open	1 & 2, 3 & 4	2 & 3	1 & 2
Note: Pins designated should be in the closed position.					

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CPU TYPE (CON'T)				
Setting	JP23	JP24	JP27	JP28
CX486S	Pins 2 & 3 closed	Pins 2 & 3 closed	1 & 2, 3 & 4	Pins 2 & 3 closed
80486SX	Open	Pins 1 & 2 closed	Open	Open
SL80486SX	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
SL80486SX2	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
80487SX	Open	Pins 1 & 2 closed	Open	Open
UMC U5S	Open	Pins 1 & 2 closed	Open	Pins 3 & 4 closed
UMC U5SD	Open	Pins 1 & 2 closed	Open	Pins 3 & 4 closed
CX486DX	Pins 2 & 3 closed	Pins 2 & 3 closed	1 & 2, 3 & 4	Pins 2 & 3 closed
AM486DX	Open	Pins 1 & 2 closed	Open	Open
80486DX	Open	Pins 1 & 2 closed	Open	Open
SL80486DX (WT)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
AM486DX2	Open	Pins 1 & 2 closed	Open	Open
AM486DX2 (SV8B)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
80486DX2	Open	Pins 1 & 2 closed	Open	Open
SL80486DX2 (WB)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
SL80486DX2 (WT)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
ODPR486DX2	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
CX486DX2	Pins 2 & 3 closed	Pins 2 & 3 closed	1 & 2, 3 & 4	Pins 2 & 3 closed
AM486DX4	Open	Pins 1 & 2 closed	Open	Open
AM486DX4 (SV8B)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
80486DX4 (WB)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
80486DX4 (WT)	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
ODPR486DX4	Open	Pins 2 & 3 closed	2 & 3, 4 & 5	Open
P24T	Pins 1 & 2 closed	Pins 2 & 3 closed	2 & 3, 4 & 5	Pins 1 & 2 closed

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CPU TYPE (CON'T)				
Setting	JP36	JP37	JP38	JP44
CX486S	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Open
80486SX	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SL80486SX	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SL80486SX2	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80487SX	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
UMC U5S	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
UMC U5SD	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
CX486DX	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Open
AM486DX	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80486DX	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SL80486DX (WT)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM486DX2	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM486DX2 (SV8B)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80486DX2	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SL80486DX2 (WB)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SL80486DX2 (WT)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
ODPR486DX2	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
CX486DX2	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Open
AM486DX4	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM486DX4 (SV8B)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80486DX4 (WB)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80486DX4 (WT)	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
ODPR486DX4	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
P24T	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed

CPU SPEED	
Setting	JP17
25MHz	Pins 1 & 2 closed
33MHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
40MHz	Pins 1 & 2, 3 & 4 closed
50iMHz	Pins 1 & 2 closed
50MHz	Pins 5 & 6 closed
66iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
75iMHz	Pins 1 & 2 closed
100iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed

CPU MULTIPLIER (AMD NV8T ONLY)	
Setting	JP25
2x	Pins 2 & 3 closed
3x	Pins 1 & 2 closed

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CPU MULTIPLIER (AMD SV8B /INTEL ONLY)	
Setting	**JP29**
2x	Closed
3x	Open

CPU VOLTAGE	
Setting	**JP10**
3.3v	VR-100/VR-102 installed
3.45v	VR-100/VR-102 installed
3.6v	VR-100/VR-102 installed
4v	VR-100/VR-102 installed
5v	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10, 11& 12, 13 & 14, 15 & 16, 17 & 18, 19 & 20
Note: Pins designated should be in the closed position.	

DMA CHANNEL		
Setting	**JP4**	**JP5**
DMA1	Pins 2 & 3 closed	Pins 1 & 2 closed
í DMA3	Pins 1 & 2 closed	Pins 2 & 3 closed