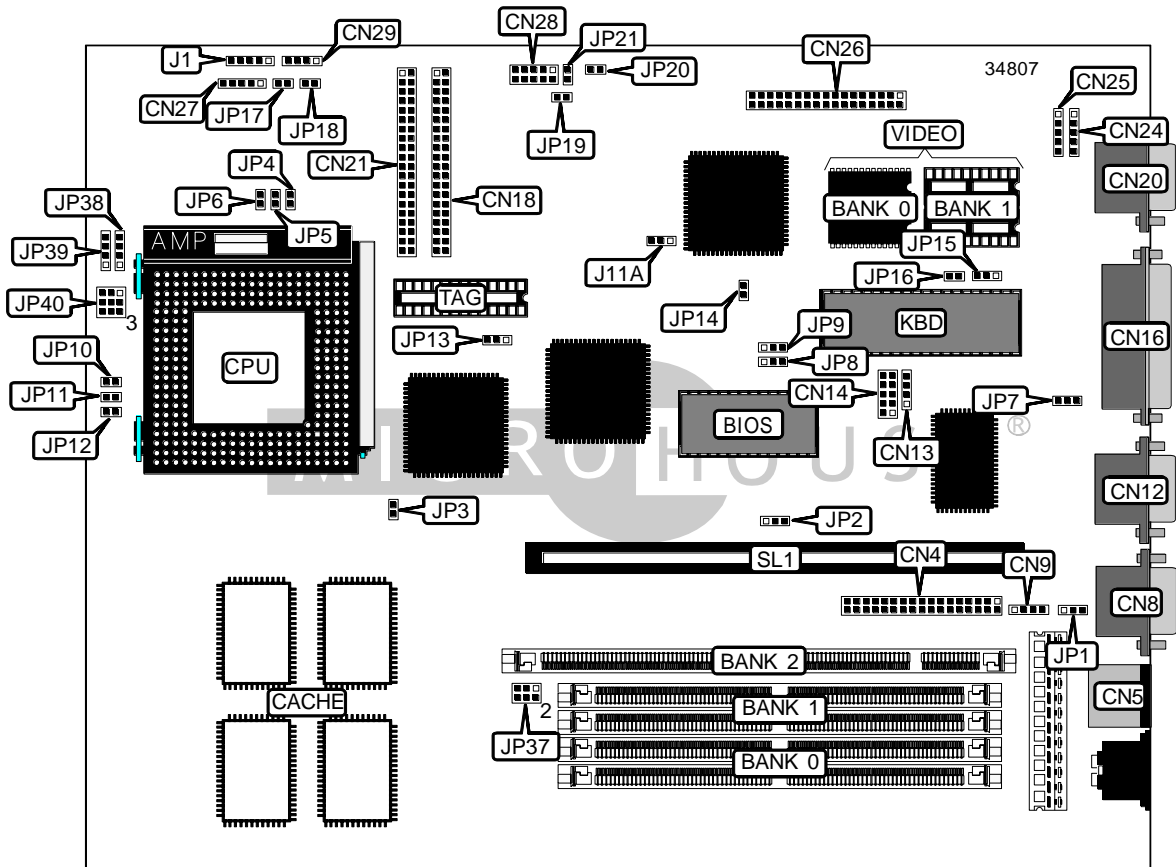


# ASIA DIRECT CORPORATION

## 586 IL

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX M2/IBM M2/AM K5/AM K6/Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/200/233/266MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	S3
<b>Maximum Onboard Memory</b>	128MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	2MB
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	Floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA feature connector, VGA port, riser slot, IR connector, USB connectors (2), MPEG connector
<b>NPU Options</b>	None



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ASIA DIRECT CORPORATION  
586 IL

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CONNECTIONS			
Purpose	Location	Purpose	Location
Floppy drive interface	CN4	USB connector 1	CN24
PS/2 mouse interface	CN5	USB connector 2	CN25
Serial port 1	CN8	VGA feature connector	CN26
Chassis fan power	CN9	Power LED & keylock	CN27
Serial port 2	CN12	MPEG connector	CN28
IR connector	CN13	Speaker	CN29
Feature IR connector	CN14	Turbo switch	J1
Parallel port	CN16	Reset switch	JP17
IDE interface 1	CN18	IDE interface LED	JP18
VGA port	CN20	Green PC connector	JP20
IDE interface 2	CN21	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J11A	Unidentified
í Power good signal detect from board	JP1	Pins 2 & 3 closed
Power good signal detect from power supply	JP1	Pins 1 & 2 closed
í Factory configured - do not alter	JP3	Unidentified
BIOS Mbit size select 1 Mbit	JP2	Pins 1 & 2 closed
BIOS Mbit size select 2 Mbit	JP2	Pins 2 & 3 closed
í CMOS memory normal operation	JP7	Pins 1 & 2 closed
CMOS memory clear	JP7	Pins 2 & 3 closed
Flash BIOS voltage select 12v	JP8	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP8	Pins 1 & 2 closed
BIOS type select EPROM	JP9	Pins 1 & 2 closed
BIOS type select flash	JP9	Pins 2 & 3 closed
í Factory configured - do not alter	JP14	Unidentified
í Factory configured - do not alter	JP15	Unidentified
í Factory configured - do not alter	JP16	Unidentified
í Factory configured - do not alter	JP19	Unidentified
í MPEG enabled	JP21	Closed
MPEG disabled	JP21	Open

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ASIA DIRECT CORPORATION  
586 IL

... continued from previous page

DIMM/ SIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(2) 1M x 36	None	None
8MB	None	None	(1) 1M x 64
16MB	(2) 2M x 36	None	None
16MB	None	None	(1) 2M x 64
16MB	(2) 1M x 36	(2) 1M x 36	None
16MB	None	(2) 1M x 36	(1) 1M x 64
24MB	(2) 2M x 36	(2) 1M x 36	None
24MB	None	(2) 1M x 36	(1) 2M x 64
24MB	None	(2) 2M x 36	(1) 1M x 64
32MB	(2) 4M x 36	None	None
32MB	None	None	(1) 4M x 64
32MB	(2) 2M x 36	(2) 2M x 36	None
32MB	None	(2) 2M x 36	(1) 2M x 64
40MB	(2) 4M x 36	(2) 1M x 36	None
40MB	None	(2) 1M x 36	(1) 4M x 64
40MB	None	(2) 4M x 36	(1) 1M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None
48MB	None	(2) 2M x 36	(1) 4M x 64
48MB	None	(2) 4M x 36	(1) 2M x 64
64MB	(2) 8M x 36	None	None
64MB	None	None	(1) 8M x 64
64MB	(2) 4M x 36	(2) 4M x 36	None
64MB	None	(2) 4M x 36	(1) 4M x 64
72MB	(2) 8M x 36	(2) 1M x 36	None
72MB	None	(2) 1M x 36	(1) 8M x 64
72MB	None	(2) 8M x 36	(1) 1M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None
80MB	None	(2) 2M x 36	(1) 8M x 64
80MB	None	(2) 8M x 36	(1) 2M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None
96MB	None	(2) 4M x 36	(1) 8M x 64
96MB	None	(2) 8M x 36	(1) 4M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None
128MB	None	(2) 8M x 36	(1) 8M x 64

Note: Board accepts EDO & SDRAM memory. Banks 0 & 1 are interchangeable.

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ASIA DIRECT CORPORATION  
586 IL

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DIMM/SIMM VOLTAGE CONFIGURATION	
Voltage	JP37
3.3v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
256KB	(2) 32K x 32	None	Unidentified
512KB	(2) 32K x 32	(2) 32K x 32	Unidentified

CACHE JUMPER CONFIGURATION	
Size	JP13
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	TAG
1MB	(2) 256K x 16	None
2MB	(2) 256K x 16	(2) 256K x 16

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
150MHz	60MHz	2x	Closed	Closed	Open	Open	Closed	Open
166MHz	66MHz	2x	Closed	Open	Closed	Open	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
150MHz	60MHz	2x	Closed	Closed	Open	Open	Closed	Open
166MHz	66MHz	2x	Closed	Open	Closed	Open	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Open	Closed	Open

Continued on next page...

ASIA DIRECT CORPORATION  
586 IL

... continued from previous page

CPU SPEED SELECTION (CX M2)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
166MHz	66MHz	2x	Closed	Open	Closed	Open	Closed	Open
166MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Open	Closed	Open
200MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
233MHz	75MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Closed	Closed	Open	Open
266MHz	75MHz	3x	Open	Closed	Open	Closed	Open	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (IBM M2)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
166MHz	66MHz	2x	Closed	Open	Closed	Open	Closed	Open
166MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
200MHz	75MHz	2x	Open	Closed	Open	Open	Closed	Open
200MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
233MHz	75MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Closed	Closed	Open	Open
266MHz	75MHz	3x	Open	Closed	Open	Closed	Open	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Closed	Closed	Open	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	1.5x	Closed	Closed	Open	Open	Open	Open
133MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
200MHz	66MHz	3x	Closed	Open	Closed	Closed	Open	Open
233MHz	75MHz	3x	Open	Closed	Open	Closed	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

Continued on next page...

ASIA DIRECT CORPORATION  
586 IL

... continued from previous page

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Closed	Closed	Open	Open	Open	Closed
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	2x	Closed	Closed	Open	Open	Closed	Closed
133MHz	66MHz	2x	Closed	Open	Closed	Open	Closed	Open
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
180MHz	60MHz	3x	Closed	Closed	Open	Closed	Open	Closed
200MHz	66MHz	3x	Closed	Open	Closed	Closed	Open	Open

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP10	JP11	JP12
200MHz	66MHz	3x	Closed	Open	Closed	Closed	Open	Open
233MHz	75MHz	3x	Open	Closed	Open	Closed	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	JP39	JP40
3.3v	Pins 1 & 2, 3 & 4 closed	Pins 2 & 3, 5 & 6, 8 & 9 closed
3.45v	Pins 1 & 2 closed	Pins 2 & 3, 5 & 6, 8 & 9 closed
3.5v	Open	Pins 2 & 3, 5 & 6, 8 & 9 closed

CPU VOLTAGE SELECTION (DUAL)				
Voltage	V core	JP38	JP39	JP40
3.3v	2.5v	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 4 & 5, 7 & 8
3.45v	2.7v	1 & 2	1 & 2	1 & 2, 4 & 5, 7 & 8
3.5v	2.8v	Open	Open	1 & 2, 4 & 5, 7 & 8

Note: Pins designated should be in the closed position.