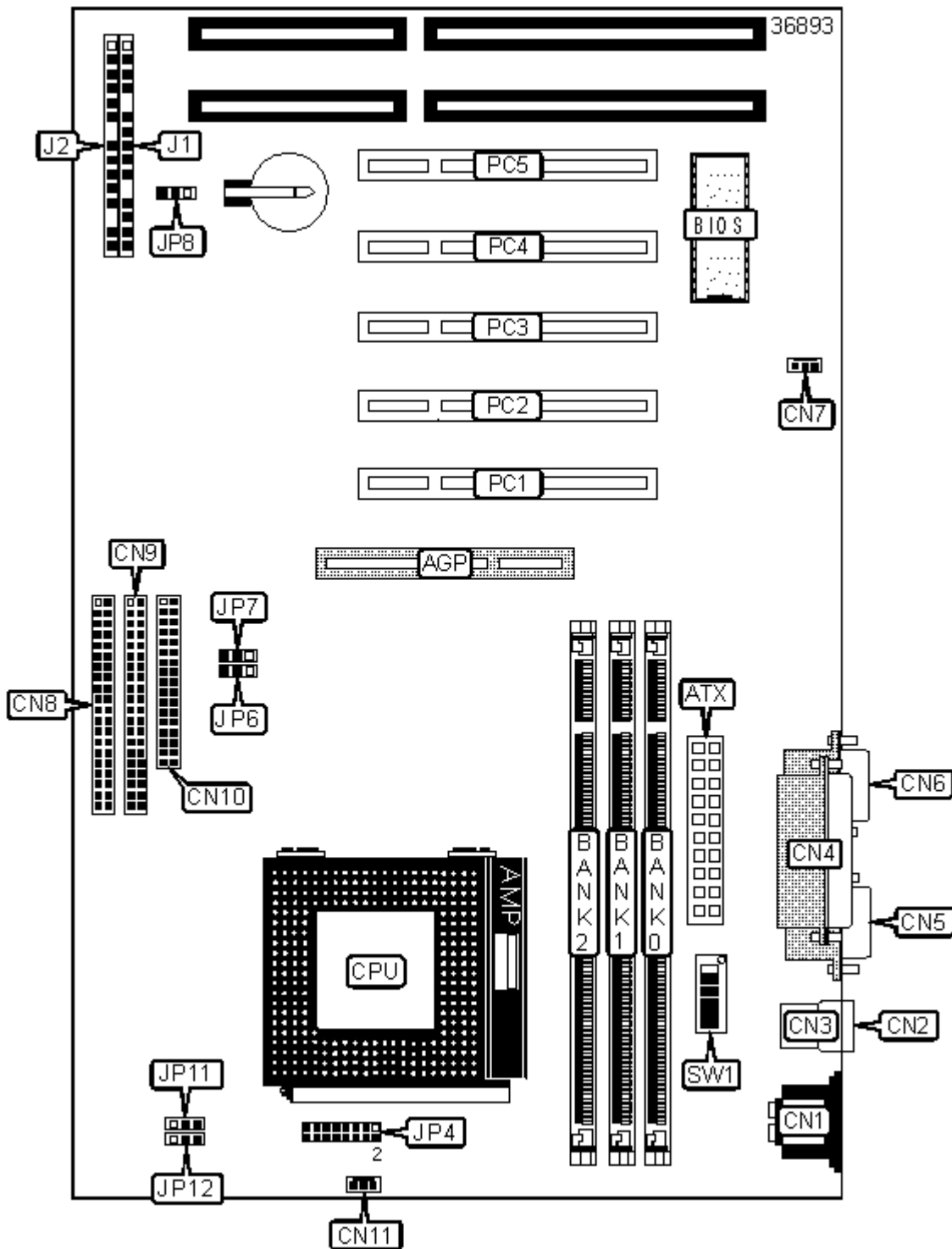


FAMOUS TECHNOLOGY CO., LTD.

MP-VIP4-X (REV. 1.00)

Device Type	Mainboard
Processor	CX 6x86L/CX 6x86MX/CX MII/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
Processor Speed	133/166/200/225/233/250/266/300/333/350MHz
Chip Set	VIA
Maximum Onboard Memory	768MB (SDRAM supported)
Cache	512KB/1MB
BIOS	Award
Dimensions	305mm x 180mm
I/O Options	32-bit PCI slots (5), AGP slot, ATX power connector, floppy drive interface, IDE interfaces (2), IR connector, parallel port, PS/2 mouse port, serial ports (2), USB ports (2), Wake-on LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Floppy drive interface	CN10
ATX power connector	ATX	CPU fan power	CN11
PS/2 mouse port	CN1	IDE interface LED	J1/Pins 1 - 4
USB port 1	CN2	IR connector	J1/Pins 6 - 10

USB port 2	CN3	Power switch	J1/Pins 12 & 13
Parallel port	CN4	Speaker	J2/Pins 1 - 4
Serial port 1	CN5	Reset switch	J2/Pins 5 & 6
Serial port 2	CN6	Power LED & keylock	J2/Pins 8 - 12
Wake-on LAN connector	CN7	Turbo LED	J2/Pins 14 & 15
IDE interface 1	CN8	32-bit PCI slots	PC1-PC5
IDE interface 2	CN9		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP8	Pins 1 & 2 closed
	CMOS memory clear	JP8	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64

96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board supports SDRAM memory.

CACHE CONFIGURATION

Note: 512KB/1MB cache is located onboard.

CHIPSET CLOCK SELECTION

	Setting	JP6	JP7
»	66/75 MHz	Pins 2 & 3 closed	Pins 2 & 3 closed
	83 MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
	95/100/112/124/133 MHz	Pins 2 & 3 closed	Pins 1 & 2 closed

Note: Setting is dependent on CPU clock

CPU SINGLE/DOUBLE VOLTAGE SELECTION

Setting		CPU Type	JP11	JP12
	Single Voltage	AM K5, Pentium, IDT	Pins 2 & 3 closed	Pins 2 & 3 closed
»	Dual Voltage	CX M2, AM K6, AM K6-2, Pentium MMX	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
300MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
300MHz	75MHz	3.0x	Off	Off	On	Off	On	Off
333MHz	66MHz	4.0x	Off	On	On	On	Off	On
333MHz	75MHz	3.5x	Off	Off	On	Off	Off	Off
333MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
350MHz	83MHz	3.5x	Off	On	Off	Off	Off	Off
350MHz	100MHz	3.0x	Off	Off	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
133MHz	66MHz	2.0x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off

266MHz	66MHz	4.0x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	On	On	On	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
250MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
266MHz	66MHz	4.0x	Off	On	On	On	Off	On
300MHz	100MHz	3.0x	Off	Off	Off	Off	On	Off
333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off
225MHz	75MHz	3.0x	Off	Off	On	Off	On	Off

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
133MHz	66MHz	2.0x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
» 200MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off

VCORE SELECTION

	Voltage	CPU Type	JP4
	2.2V	AM K6/K6-2 266-350MHz	Pins 11 & 12 closed
»	2.8V	Pentium MMX	Pins 9 & 10 closed
	2.9V	CX M2, AM K6 166/200MHz	Pins 7 & 8 closed
	3.2V	AM K6 233MHz	Pins 5 & 6 closed
	3.3V	IDT C6	Pins 3 & 4 closed
	3.52V	AM K5, Pentium	Pins 1 & 2 closed

Note: All pins are open unless designated as closed.