IH4077H JUMPER SETTING

1.) INTEL

	INTEL DX2-50	Write-back Enhanced Intel DX2-66 (P24D-66)	INTEL DX4-100
JP9	OPEN	CLOSE	CLOSE
JP10	OPEN	CLOSE	CLOSE
JP11	CLOSE	CLOSE	CLOSE
JP12	CLOSE	CLOSE	OPEN
JP13	CLOSE	CLOSE	OPEN
JP14	CLOSE	CLOSE	OPEN
JP21	1-2	1-2,4-5	1-2
JP22	1-2,3-4	1-2,3-4	1-2,3-4
JP23	OPEN	OPEN	OPEN
JP24	OPEN	OPEN	OPEN
JP25	OPEN	OPEN	OPEN
JP26	5-6	3-4,5-6	5-6
JP27	1-2	1-2,4-5	1-2
JP28	1-2	1-2	1-2
JP29	1-2,3-4	1-2,3-4	1-2,3-4
JP31	OPEN	OPEN	OPEN
JV1	OPEN	OPEN	OPEN
JV2	OPEN	OPEN	CLOSE
JV3	OPEN	OPEN	OPEN
JV4	OPEN	OPEN	OPEN

2.) AMD

	AMD 486DX2-80NV8T (AMD DX2-80)	AMD 486DX4-100NV8Td (AMD DX4-100)	AMD 486DX4-100SV8B (AMD DX4-100+)
JP9	OPEN	CLOSE	CLOSE
JP10	CLOSE	CLOSE	CLOSE
JP11	CLOSE	CLOSE	CLOSE
JP12	OPEN	OPEN	OPEN
JP13	OPEN	OPEN	OPEN

JP14	OPEN	OPEN	OPEN
JP21	2-3,4-7	2-3	1-2,4-5
JP22	OPEN	OPEN	1-2,3-4
JP23	OPEN	OPEN	OPEN
JP24	CLOSE	OPEN	OPEN
JP25	CLOSE	OPEN	OPEN
JP26	OPEN	OPEN	3-4,5-6
JP27	OPEN	OPEN	1-2,4-5
JP28	1-2	1-2	1-2
JP29	1-2,3-4	1-2,3-4	1-2,3-4
JP31	OPEN	OPEN	OPEN
JV1	OPEN	OPEN	OPEN
JV2	CLOSE	CLOSE	CLOSE
JV3	OPEN	OPEN	OPEN
JV4	OPEN	OPEN	OPEN

PS: For AMD 5X86-P75-S (AMD-X5-133), set jumper setting as AMD DX4-100+ except JP23 is set to 2-3 (LOW).

3.) CYRIX

	CYRIX 486 DX2-66	CYRIX 486 DX2-V80	CYRIX DX4-100	*CYRIX Cx5x86-120
JP9	CLOSE	CLOSE	CLOSE	OPEN
JP10	CLOSE	CLOSE	CLOSE	CLOSE
JP11	CLOSE	CLOSE	CLOSE	CLOSE
JP12	CLOSE	OPEN	OPEN	OPEN
JP13	CLOSE	OPEN	OPEN	OPEN
JP14	CLOSE	OPEN	OPEN	OPEN
JP21	1-2,3-4,5-6	1-2,3-4,5-6	1-2,3-4,5-6	1-2,4-5
JP22	2-3	2-3	2-3	1-2,3-4
JP23	OPEN	OPEN	OPEN	OPEN
JP24	OPEN	OPEN	OPEN	CLOSE
JP25	OPEN	OPEN	OPEN	CLOSE
JP26	2-3,4-5	2-3,4-5	2-3,4-5	3-4,5-6
JP27	1-2,3-4	1-2,3-4	1-2,3-4	1-2,4-5

JP28	1-2	1-2	1-2	1-2
JP29	1-2,3-4	1-2,3-4	1-2,3-4	1-2,3-4
JP31	OPEN	OPEN	OPEN	CLOSE
JV1	OPEN	OPEN	OPEN	OPEN
JV2	OPEN	OPEN	CLOSE	CLOSE
JV3	OPEN	OPEN	OPEN	OPEN
JV4	OPEN	CLOSE	OPEN	OPEN

NOTE: MODELS USING R2.00 BIOS ONLY SUPPORT CPU TYPES MARKED WITH *

PS: TI 486 DX4-100 USE CYRIX DX2-V66 JUMPER SETTING & BIOS R1.02B
3.45V

4.) CACHE size:

	64KB	128KB	256KB (32KB x8)	256KB (64KB x8)
JP17	OPEN	CLOSE	CLOSE	CLOSE
JP18	OPEN	OPEN	CLOSE	CLOSE
JP19	OPEN	1-2	2-3	1-2,3-4
JP20	2-3	1-2	2-3	1-2

5.) Other jumper settings:

JUMPER	PIN DEFINITION
JP3	flash EPROM * 1-2 : normal 2-3 : programming
JP8	primary IOCHRDY *OPEN : disabled close: enabled
J9	LED - Green status?
J10	LED - HDD activity
JP15	secondary IOCHRDY *OPEN : disabled close: enabled
JP17	CMOS battery * 2-3 : internal battery enable 3-4 : discharged 1,4 : external battery ~4.5v 1: Battery positive 4: Battery negative
Key Lock	1 : + LED Power 2 : No connection 3 : GND 4 : Keyboard lock signal

SPK Speaker

1 : + Speaker
2 : No connection
3 : GND

6.) CPU type settings:

	JP21	JP22	JP26	JP27	JP28	JP29
INTEL 486SX	2-3	OPEN	OPEN	OPEN	OPEN	2-3
INTEL 486DX, DX2	2-3	OPEN	OPEN	OPEN	1-2	1-2 3-4
INTEL SL-DX, DX2,DX4	1-2	1-2 3-4	5-6	1-2	1-2	1-2 3-4
INTEL P24T	1-2	1-2 3-4	5-6	1-2	2-3	1-2 3-4
UMC	2-3	OPEN	1-2	2-3	2-3	2-3
CYRIX 486SX	1-2 3-4 5-6	2-3 4-5	2-3 4-5	1-2 3-4	OPEN	2-3
CYRIX 486 DX/DX2	1-2 3-4 5-6	2-3	2-3 4-5	1-2 3-4	1-2	1-2 3-4

NOTE:

- IF you install an SL-DX4 CPU ,set JP23 to

1-2 : 2.5 times CPU CLK mode
2-3 : 2 times CPU CLK mode
open : 3 times CPU CLK mode

- IF you install a CYRIX sx/dx/dx2 CPU ,set JP27 to

open : 1 times CPU CLK mode
5-6 : 2 times CPU CLK mode

7.) CPU speed:

	25MHz	33MHz	40MHz	50MHz
JP9	OPEN	CLOSE	OPEN	CLOSE
JP10	OPEN	CLOSE	CLOSE	OPEN
JP11	CLOSE	CLOSE	CLOSE	OPEN
JP24 (VESA CLK SELECT)	OPEN	OPEN	CLOSE	CLOSE
JP25 (VESA 0/1 wait state)	OPEN	OPEN	CLOSE	CLOSE

8.) CPU voltage:

5V	3.3V	3.45V	3.6V	4.0V

JP12	*CLOSE	OPEN	OPEN	OPEN	OPEN
JP13	*CLOSE	OPEN	OPEN	OPEN	OPEN
JP14	*CLOSE	OPEN	OPEN	OPEN	OPEN
JV1	*CLOSE	CLOSE	OPEN	OPEN	OPEN
JV2	*OPEN	OPEN	CLOSE	OPEN	OPEN
JV3	*OPEN	OPEN	OPEN	CLOSE	OPEN
JV4	*OPEN	OPEN	OPEN	OPEN	CLOSE

* default settings

9.) ECP DMA select:

	DMA1	DMA3
JP4	1-2	2-3
JP5	1-2	2-3

10.) History

v1 - Original document

v2 - Updated 2022-09-08 by Claw
Corrected secondary IOCHRDY jumper
Added front panel header pinouts
Added external battery info