

HOT - 406 MAIN BOARD USER'S GUIDE

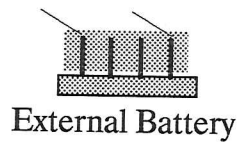
I. GENERAL DESCRIPTION

This user's guide explains simply how to install this 486 main board. By reading this guide, user may be able to set up this main board in a computer system.

II. DESCRIPTIONS OF CONNECTORS

CONNECTOR	FUNCTION
CN1, CN2	Power Connector
KB1	Keyboard Connector
J1	Keyboard Lock & Power LED Connector
J2	Speaker Connector
J3	Turbo Switch Connector
J4	Hardware Reset Switch Connector
J5	Turbo LED Connector
J6	External Battery Connector

J6 External Battery Connector Setting



III. JUMPER SETTING

1. W1 : Display Adapter Selector

Close = Color

Open = Monochrome

2. W2, W3, W4 : CPU Configuration

	W2	W3	W4
486DX	OPEN	1 - 2	1 - 2, 3 - 4
486SX	CLOSE	OPEN	2 - 3
487SX	CLOSE	2 - 3	1 - 2, 3 - 4

3. W6, W7, W8, W9, SW1 : Cache RAM Configuration

	W6	W7	W8	W9	SW1
64 KB	1 - 2	1 - 2	OPEN	1 - 2	All Off
128 KB	2 - 3	1 - 2	1 - 2	2 - 3	1 & 4 On
256 KB	2 - 3	2 - 3	2 - 3	1 - 2	All On

V. FEATURE

- * Support 486 system running at 25/33/40/50 MHz in 1X clock.
- * Support 4 banks CPU speed DRAM with memory size up to 64 MB on-board.
- * Support mixable 256Kx9, 1Mx9, 4Mx9 and 256Kx36, 1Mx36, 4Mx36 DRAM modules.
- * Quadtel BIOS support.
- * Write-back cache design with size of 64 KB to 256 KB secondary cache.
- * Control of two non-cacheable regions.
- * Optional caching of shadowed system & video BIOS.
- * 16-bit AT bus cycle selectable from 0 or 1 wait state.
- * Hardware turbo switch for high or normal speed selectable.
- * Socket for optional Weitek 4167 coprocessor.
- * SMT board design for the higher quality issue.

IV. Memory Configuration

On the main board, memory is located in eight rows of SIMM socket (bank 0 & bank 1) and two rows of HDSIMM socket (bank 2 & bank 3). It may combines different capacity of SIMMs on the system board to obtain the desired amount of RAM.

Option	BANK 0 SM1 ~ SM4	BANK 1 SM5 ~ SM8	BANK2 SIM1	BANK3 SIM2	TOTAL
1	256K	0	0	0	1M
2	256K	256K	0	0	2M
3	256K	256K	256K	0	3M
4	256K	256K	256K	256K	4M
5	1M	0	0	0	4M
6	256K	1M	0	0	5M
7	1M	1M	0	0	8M
8	1M	1M	1M	0	12M
9	1M	1M	1M	1M	16M
10	4M	0	0	0	16M
11	1M	4M	0	0	20M
12	4M	4M	0	0	32M
13	4M	4M	4M	0	48M
14	4M	4M	4M	4M	64M

HOT-406 Main Board Block Diagram

