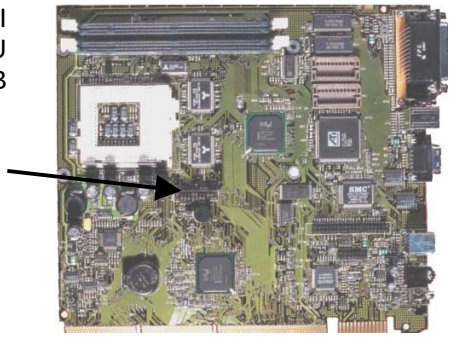
TRIMOND™ MOTHERBOARDS

Trimond HU430 NLX

QuickStart Guide

CPU

The Mitsubishi Trimond HU430 NLX motherboard uses Intel's 430TX PCI chipset to support the following 60/66MHz Front Side Bus Socket 7 CPU types: Pentium®, Pentium® MMX™ , AMD K6 Classic, AMD K6-2 (66MHz FSB only), IDT WinChip and Cyrix M2.



Processor core multipliers can be set using the jumpers that make up **PL10**.

The following table shows supported processors with their configuration jumper settings.

Processor	PL5	BF2	BF1	BF0	FS	PW3	PW2	PW1	PW0	Core V
Intel Pentium 90 (90/60)	OUT	OUT	1	1	IN	IN	IN	IN	IN	3.52
Intel Pentium 100 (100/66)	OUT	OUT	1	1	OUT	IN	IN	IN	IN	3.52
Intel Pentium 120 (120/60)	OUT	OUT	1	0	IN	IN	IN	IN	IN	3.52
Intel Pentium 133 (133/66)	OUT	OUT	1	0	OUT	IN	IN	IN	IN	3.52
Intel Pentium 150 (150/60)	OUT	OUT	0	0	IN	IN	IN	IN	IN	3.52
Intel Pentium 166 (166/66)	OUT	OUT	0	0	OUT	IN	IN	IN	IN	3.52
Intel Pentium 200 (200/66)	OUT	OUT	0	1	OUT	IN	IN	IN	IN	3.52
Intel Pentium MMX 166 (166/66)	IN	OUT	0	0	OUT	IN	OUT	OUT	OUT	2.8
Intel Pentium MMX 200 (200/66)	IN	OUT	0	1	OUT	IN	OUT	OUT	OUT	2.8
Intel Pentium MMX 233 (233/66)	IN	OUT	1	1	OUT	IN	OUT	OUT	OUT	2.8
AMD-K6-166 model 6 (166/66)	IN	OUT	0	0	OUT	IN	OUT	OUT	IN	2.9
AMD-K6-200 model 6 (200/66)	IN	OUT	0	1	OUT	IN	OUT	OUT	IN	2.9
AMD-K6-233 model 6 (233/66)	IN	OUT	1	1	OUT	IN	IN	OUT	OUT	3.2
AMD-K6/233 model 7 (233/66)	IN	OUT	1	1	OUT	OUT	OUT	IN	OUT	2.2
AMD-K6/266 model 7 (266/66)	IN	IN	1	0	OUT	OUT	OUT	IN	OUT	2.2
AMD-K6/300 model 7 (300/66) *	IN	IN	0	0	OUT	OUT	OUT	IN	OUT	2.2
AMD-K6-2/266 model 8 (266/66)	IN	IN	1	0	OUT	OUT	OUT	IN	OUT	2.2
IDT WinChip C6 180MHz (180/60)	OUT	OUT	0	1	IN	IN	IN	IN	IN	3.52
IDT WinChip C6 200MHz (200/66)	OUT	OUT	0	1	OUT	IN	IN	IN	IN	3.52
IDT WinChip C6 240MHz (240/60)	OUT	IN	1	0	IN	IN	IN	IN	IN	3.52
IDT WinChip2-200 (200/66)	OUT	OUT	0	1	OUT	IN	IN	IN	IN	3.52
IDT WinChip2-233 (233/66)	OUT	OUT	1	1	OUT	IN	IN	IN	IN	3.52
IDT WinChip2-240 (240/60)	OUT	IN	1	0	IN	IN	IN	IN	IN	3.52
IDT WinChip2-266 (266/66)	OUT	IN	1	0	OUT	IN	IN	IN	IN	3.52
Cyrix M II-300 (233/66)	IN	OUT	1	1	OUT	IN	OUT	OUT	IN	2.9

PL5 is located near the CPU
* requires special board build

RAM

Two DIMM sockets accept gold-edged 64-bit unbuffered **66Mhz SDRAM** modules with **SPD** (serial presence detect) or **60ns EDO** DIMMs.

Supported sizes: **16MB**, **32MB**, **64MB**, **128MB**. Populate DIMM sockets in any order to a maximum of 256MB.

Approved vendors: Please see the current list at http://www.trimond.com/shared/reference.asp.

KEYBOARD & MOUSE

Positions of keyboard and mouse are described on the motherboard (mouse: top, keyboard: bottom).

PSU

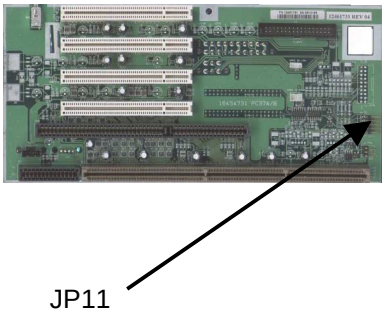
Trimond motherboards are designed to be connected to a **soft-switch PSU**, with 5V standby. If the 5V standby current is insufficient, the PSU may deregulate and possibly damage the motherboard. Ensure that at least **30mA** is available to the 5V standby output.

If you wish to use a **hard-switch PSU**, it is necessary to change a flag in the manufacturer settings of the BIOS and provide current to the motherboard 5V standby connector. Please contact the Motherboard Division for full instructions.

The power connector is provided by thee NLX riser.

NLX RISER (if supplied)

Keyed connectors for floppy drive, primary and secondary IDE channels are clearly marked.



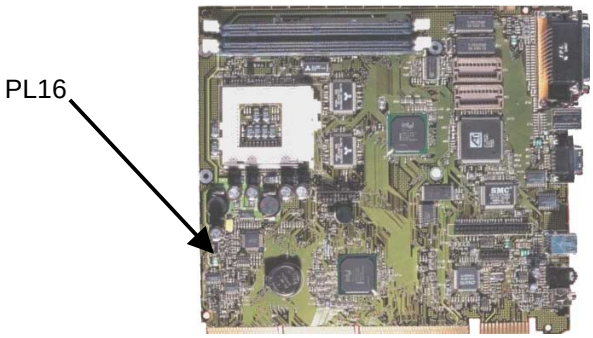
JP11 provides the pin-outs for the power-switch, front panel LEDs and PC-speaker, as follows:

Pins	Designation
1 & 2	Speaker
3 & 4	HD activity LED[1]
5 & 6	Power LED[2]
7 & 8	ON/OFF switch

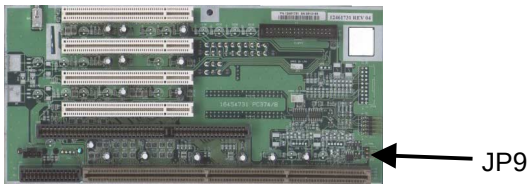
[1] Pin 3 - LED cathode, pin 4 - VCC.
[2] Pin 5 - yellow cathode, pin 6 - green cathode. Bi-directional LED supported.

COOLING

PL16 is a full-speed system fan connector.



JP9 on the riser (if supplied) provides an additional fan connector.



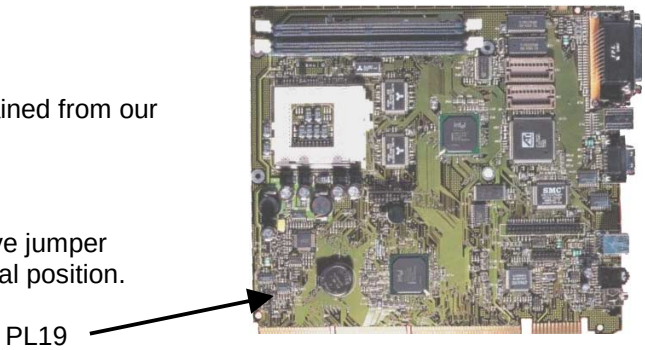
PHOENIX BIOS & CMOS

BIOS updates are available from our web site. Please see *Documentation & Drivers* below for further details.

The port 80 codes for Phoenix BIOS 4.0 Rel 6.1 can be obtained from our web site:

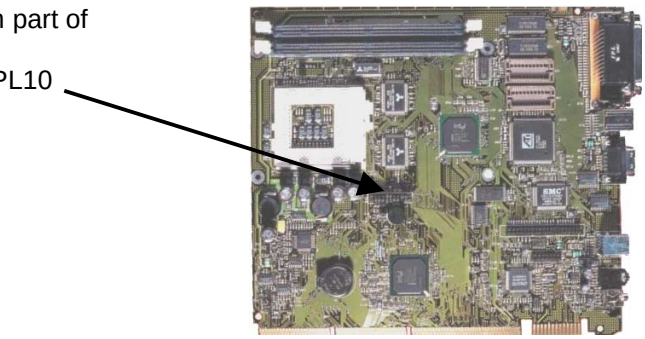
http://www.trimond.com/shared/reference.asp

CMOS may be cleared using **PL19**. Remove AC mains. Move jumper from “on” to “off” pins for 3 seconds. Return jumper to original position.



VIDEO & AUDIO JUMPERS

Jumpers to selectively disable onboard audio and video form part of **PL10** as follows:



“AUD” jumper fitted = enabled / jumper removed = disabled

“VGA” jumper fitted = enabled / jumper removed = disabled

DOCUMENTATION & DRIVERS

Supporting documentation, drivers and BIOS updates are available from our web site as follows:

http://www.trimond.com

- Click on the “Products” left menu item
- Click on HU430 in the product table
- Click on the “Motherboard Resources” link