

# FYI - VIA MVP3 MOTHER BOARD



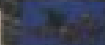
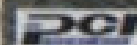
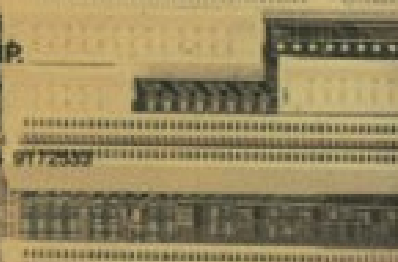
**FULLS YES INDUSTRIAL CORP.**

3F, No. 5, 7, Lane 154, Paochiai Rd.  
Hsin-Tien City Taipei  
Taiwan, R.O.C.

Tel: 886-2-9176633 (REP). Fax: 886-2-9176155

<http://www.fyi.com.tw>

E-mail: [fullyes@ms12.hinet.net](mailto:fullyes@ms12.hinet.net)



USER'S MANUAL

All brand names and trademarks are the property of their respective owners.

1.) Specification.....2

2.) Layout Placement.....3

3.) Jumper Setting.....4

1. JCK1, JCK2, JCK3, JAGP1, JAGP2, JAGP3 : CPU Clock Select.....4

2. JPW1: CPU Vcore Voltage Select .....4

3. JPI: CPU Vcore Frequency Ratio.....5

4. JVBAT: CMOS Clear Function Select.....5

5. Other Jumper Setting.....5

4.) CPU Quick Index.....6

## 1.) Specification:

@Chipset : VT82C598MVP3 system controller.

VT82C596 SIO Integrated X-Bus Peripheral .

@CPU : INTEL PENTIUM P54C, P55C(MMX) / AMD K5,K6(MMX) / Cyrix M1, M2 (MX) / IDT C6.

@ 100MHz CPU : AMD K6 3D series.

@SRAM : On board 512 KB / 1MB P.B. SRAM.

@Memory : Supports DIMM x 2 & SIMM x 2 , supports FP / EDO / SDRAM up to 1GB .

@Supports Multi I/O for 1 FDD , 1 Parallel port ( EPP, ECP) and 2 Serial ports.

@Switching Voltage Regulator.

@Supports one AGP slot, two ISA slots and four PCI slots.

@Supports 2X mode for AGP 133 MHz .

@Dual Master IDE Connectors support up to four IDE devices.

@Supports Ultra DMA/33.

@Supports USB header.

@Supports PS/2 mouse connector.

@One FDC port support two devices up to 2.88MB.

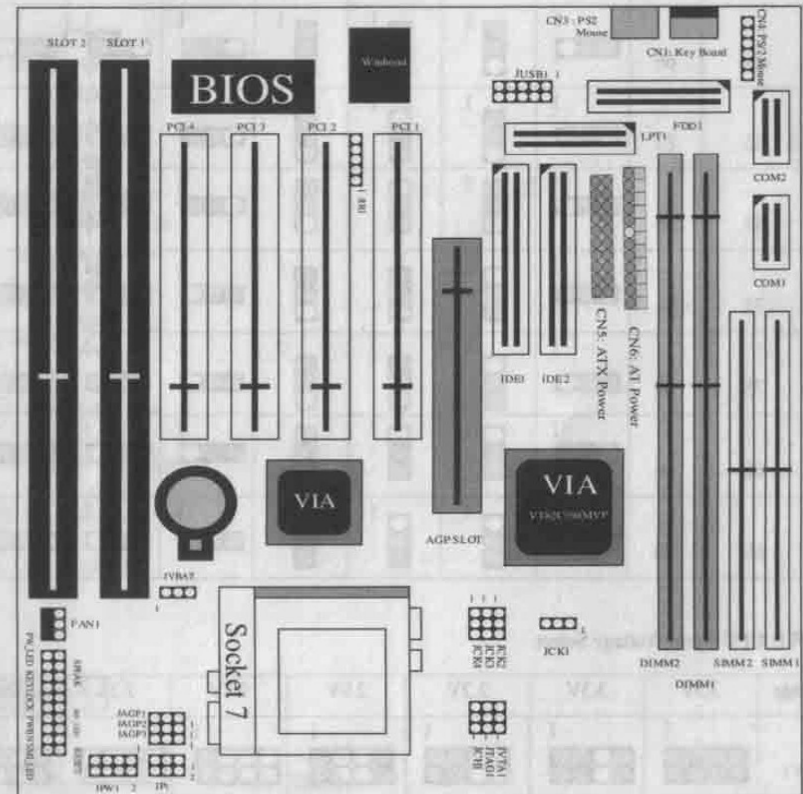
@Award APM mode & ACPI ; External Modem ring-on function ; Alarm Power On function.

@Based on AT form factor design ,support ATX power connector and can direct use ATX Case.

@External Clock supports 60MHz, 66MHz, 75MHz, 83MHz, 100MHz.

@When you set up your clock at 100MHz, Please use RAM Module : SDRAM under -8 or include -8(80NS).

## 2.) Layout Placement:



### 3.) Jumper Setting:

#### JCK1, JCK2, JCK3, JCK4, JAGP1, JAGP2, JAGP3 :CPU Clock Select

CPU Clock	DRAM	JCK1	JCK2	JCK3	JCK4	JAGP1	JAGP2	JAGP3
100	100							
100	66							
83	83							
83	66							
75	75							
75	60							
66	66							
60	60							

#### 2.JPW1: CPU Vcore Voltage Select

Voltage	3.5V	3.3V	3.2V	2.9V	2.8V	2.2V	2.1V
JPW1							
	2	2	2	2	2	2	2

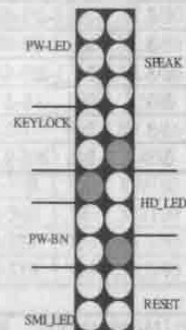
#### 3.JP1: CPU Vcore Frequency Ratio Setting

Jumper	X1.5/X3.5	X2.0	X2.5	X3.0	X4.0	X4.5	X5.0	X5.5
JP1								
	2	2	2	2	2	2	2	2

#### 4.JVBAT: CMOS Clear Function Select

Jumper	Normal	Clear CMOS RAM Data
JVBAT		

#### 5. Other Jumper Setting

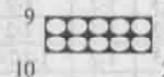


CN1: Keyboard connector

CN3: PS/2 Mouse connector

CN4: PS/2 Mouse connector

JUSB1: USB Connector



Pin1: +5V

Pin6: USBPO+

Pin2: +5V

Pin7: GND

Pin3: USBPI-

Pin8: GND

Pin4: USBPO-

Pin9: GND

Pin5: USBPI+

Pin10: GND

## .) CPU Quick Index

## INTEL

CPU TYPE	MHz	Mul/Bus	Voltage	JP1	JCK1	JCK2	JCK3	JCK4	JAGP1	JAGP2	JAGP3	JPW1
Pentium90	90	X1.5/60	3.3V	All Open	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Pentium100	100	X1.5/66	3.3V	All Open	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
Pentium120	120	X2/60	3.3V	1-2	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Pentium133	133	X2/66	3.3V	1-2	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
Pentium150	150	X2.5/60	3.3V	1-2/3-4	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Pentium166	166	X2.5/66	3.3V	1-2/3-4	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
Pentium180	180	X3/60	3.3V	3-4	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Pentium200	200	X3/66	3.3V	3-4	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
Pentium166 MMX	166	X2.5/66	2.8V	1-2/3-4	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2
Pentium200 MMX	200	X3/66	2.8V	3-4	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2
Pentium233 MMX	233	X3.5/66	2.8V	All Open	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2

## CYRIX

CPU TYPE	MHz	Mul/Bus	Voltage	JP1	DRAM	JCK1	JCK2	JCK3	JCK4	JAGP1	JAGP2	JAGP3	JPW1
6X86 150+	120	X2/60	3.3V	1-2	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
6X86 150+	120	X2/60	3.52V	1-2	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	All Short
6X86 166+	133	X2/66	3.3V	1-2	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
6X86 166+	133	X2/66	3.52V	1-2	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	All Short
6X86 200+	150	X2/75	3.3V	1-2	75	1-2	2-3	1-2	1-2	2-3	2-3	1-2	1-2/3-4/7-8
6X86 200+	150	X2/75	3.3V	1-2	60	2-3	2-3	1-2	1-2	2-3	1-2	1-2	1-2/3-4/7-8
6X86 200+	150	X2/75	3.52V	1-2	75	1-2	2-3	1-2	1-2	2-3	2-3	1-2	All Short
6X86 200+	150	X2/75	3.52V	1-2	60	2-3	2-3	1-2	1-2	2-3	1-2	1-2	All Short
6X86L 150+	120	X2/60	2.8V	1-2	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2
6X86L 166+	133	X2/66	2.8V	1-2	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2
6X86L 200+	150	X2/75	2.8V	1-2	75	1-2	2-3	1-2	1-2	2-3	2-3	1-2	1-2
6X86L 200+	150	X2/75	2.8V	1-2	60	2-3	2-3	1-2	1-2	2-3	1-2	1-2	1-2
6X86 166+MX	150	X2.5/60	2.9V	1-2/3-4	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/7-8
6X86 200+MX	166	X2.5/66	2.9V	1-2/3-4	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/7-8
6X86 233+MX	188	X2.5/75	2.9V	1-2/3-4	75	1-2	2-3	1-2	1-2	2-3	2-3	1-2	1-2/7-8
6X86 233+MX	188	X2.5/75	2.9V	1-2/3-4	60	2-3	2-3	1-2	1-2	2-3	1-2	1-2	1-2/7-8
6X86M II 300	233	X3.5/66	2.9V	5-6	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/7-8

## AMD

CPU TYPE	MHz	MUL/Bus	Voltage	JP1	DRAM	JCK1	JCK2	JCK3	JCK4	JAGP1	JAGP2	JAGP3	JPW1
K5 PR90	90	X1.5/60	3.3V	All Open	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
K5 PR100	100	X1.5/66	3.3V	All Open	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4/7-8
K5 PR120	120	X2/60	3.3V	1-2	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
K5 PR133	133	X2/66	3.52V	1-2	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	All Short
K5 PR150	150	X2.5/60	3.52V	1-2/3-4	60	1-2	2-3	2-3	2-3	2-3	2-3	1-2	All Short
K5 PR166	166	X2.5/66	3.52V	1-2/3-4	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	All Short
K6 PR2-166	166	X2.5/66	2.9V	1-2/3-4	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/7-8
K6 PR2-200	200	X3/66	2.9V	3-4	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/7-8
K6 PR2-233	233	X3.5/66	3.2V	All Open	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	1-2/3-4
K6 PR2-266	266	X4/66	2.2V	1-2/5-6	66	1-2	2-3	2-3	1-2	2-3	2-3	1-2	5-6
K6-2-300	300	X3/100	2.2V	3-4	100	1-2	1-2	1-2	1-2	1-2	2-3	2-3	5-6
K6-2-300	300	X3/100	2.2V	3-4	66	2-3	1-2	1-2	1-2	1-2	1-2	2-3	5-6
K6-2-333	333	X3.5/95	2.2V	All Open	95	1-2	1-2	1-2	2-3	1-2	2-3	2-3	5-6
K6-2-333	333	X3.5/95	2.2V	All Open	66	2-3	1-2	1-2	2-3	1-2	1-2	2-3	5-6

## IDT

CPU TYPE	MHz	MUL/Bus	Voltage	JP1	JCK1	JCK2	JCK3	JCK4	JAGP1	JAGP2	JAGP3	JPW1
Win Chip C6 150	150	X25/60	3.3V	1-2/3-4	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Win Chip C6 180	180	X3/60	3.3V	3-4	1-2	2-3	2-3	2-3	2-3	2-3	1-2	1-2/3-4/7-8
Win Chip C6 200	200	X3/66	3.3V	3-4	1-2	2-3	2-3	1-4	2-3	2-3	1-2	1-2/3-4/7-8
Win Chip C6 240	240	X4/60	3.52V	1-2/5-6	1-2	2-3	2-3	2-3	2-3	2-3	1-2	All Short