

S P E C I F I C A T I O N

▲ CPU

Supports 80486/5x86 Processor running at 25 up 133 MHz

- Intel P24D, P24T, DX4(P24C), DX/DX2-SL, 80486DX2/DX/SX
- Cyrix/IBM/Ti/SGS DX/DX2/DX4
- AMD Enhance DX2/DX4/X5
- Cyrix/IBM/AMD 5x86

● Architecture

3 PCI Local Bus slots and 4 x 16 bits ISA Bus slots,
One 32-bit VL-Bus Master slot,

✱ Cache Memory Slot

128K/256K/512K/1024KB asynchronous SRAM module supported
Future will support pipeline burst SRAM module.

■ System Memory

Use 72-pin SIMM modules x 4 auto banking
or 30-pin SIMM modules x 4, 72-pin SIMM x 2 (The 72-pin SIMM modules
x 2 should be the same size) in multiple configuration up to 128MB using
combinations of 256K, 1M, 2M, 4M, 8M, 16M, 32M, 64M SIMM Modules

▲ I/O SPEC.

2 PCI IDE interface on board support ATA spec. up to mode 4
IDE interface.

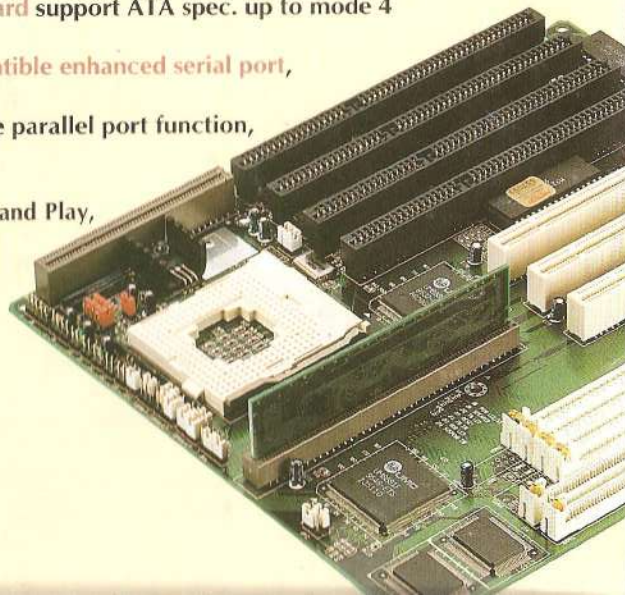
Support two 16550 compatible enhanced serial port,
Floppy disk interface and
EPP/ECP high performance parallel port function,

✱ System BIOS

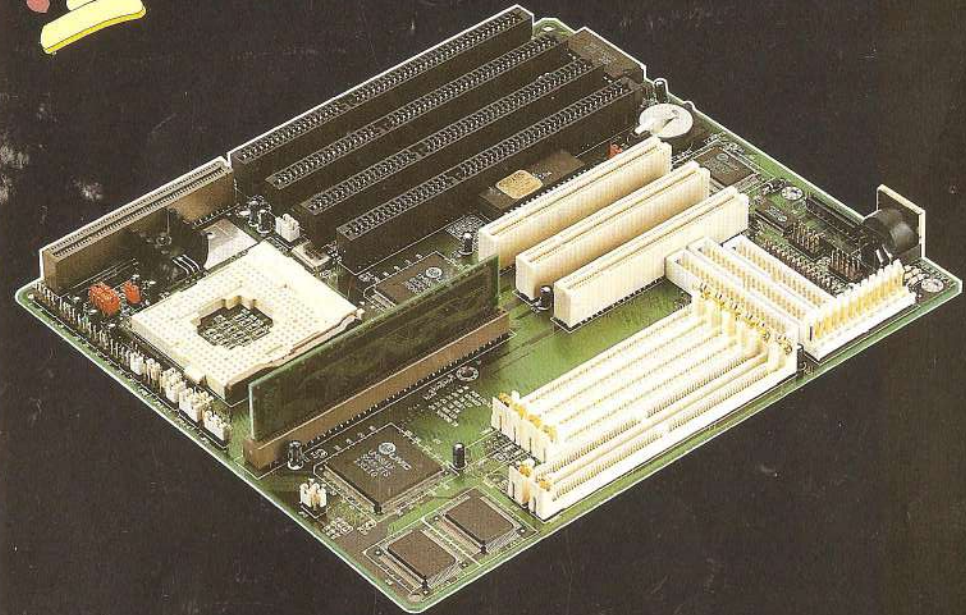
Supports Flash ROM, Plug and Play,
Green Feature,
NCR 810 SCSI BIOS

● PCB Size

22cm X 25cm



introduction and user's guide



With PCI IDE & Multi I/O

PCI Bus and ISA Bus and VL-Bus 486/5x86 Green Mainboard

- ▲ The 80486 VIP (VESA, ISA, PCI)
- ✱ mainboard is a high performance
- mainboard based on the 80486
- microprocessor and featuring VESA, PCI
- and ISA Bus support. The mainboard offers
- ✱ a high degree of flexibility in configuration
- ▲ and is fully IBM PC/AT compatible.

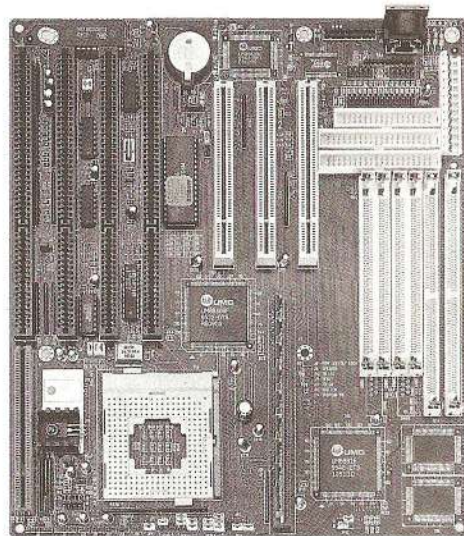
Quick Installation Guide

1. Set J4 to CMOS RAM discharge Jmpper (pin 2-3)
2. Set CPU type (JP6,JP7, JP8A-B, JP9A-C, JP10A-C, JP11, JP12A-B, JP13, JP14)
3. Set CPU voltage type (JP4, JP5A-D)
4. Set CPU clock speed (JP3 A-C)
5. Insert cache RAM module into J5
6. Insert CPU into CPU socket
7. Insert 72-pin SIMM module into SIMM7-8 or 30 pin SIMM module into SIMM1-4
8. Install mainboard into system chassis.
9. Connect keyboard to J1.
10. Insert a display card and other peripherel cards (if required) onto the mainboard.
12. Connect Hard Disk(s) to IDE primary/secondary connector(s)
13. Connect Floppy drive(s) to FDC1 connector
14. Connect serial parts to COM1 and COM2 connector
15. Connect parallel port to PRN1 connector.
16. Connect J13 to "Hard Disk Busy" LED on the system chassis
17. Connect J10 and J12 to Turbo LED and Turbo switch on the system chassis
18. Connect J11 to Reset switch on the system chassis.
19. Connect J9 to the speaker on the system chassis.
20. Connect J8 to the keylock & power LED on the system chassis.
21. Close system chassis, connect all external cables to your

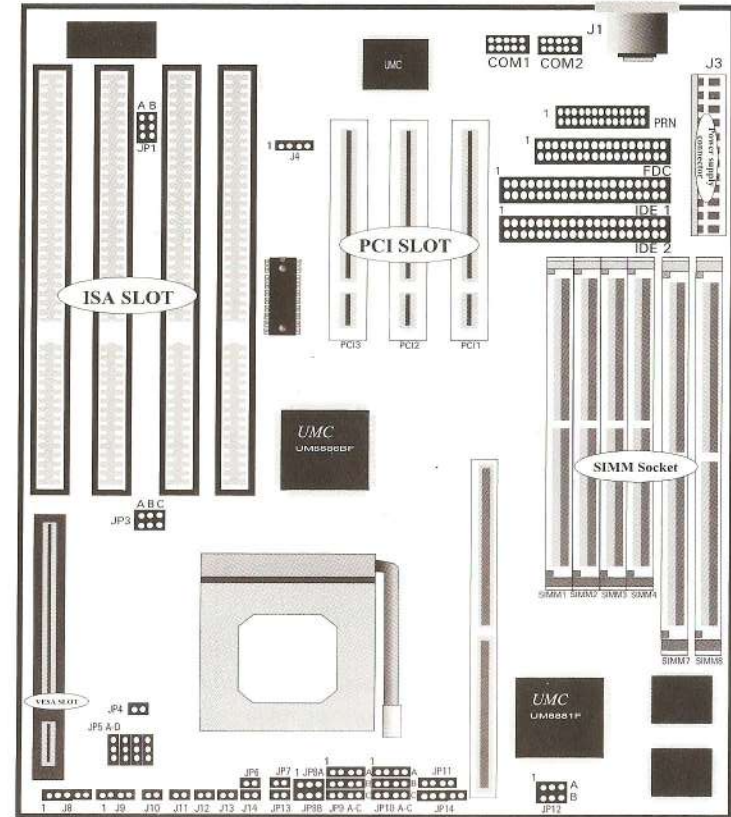
Asynchronous SRAM Module Available



Pipeline Burst SRAM Module
Future will available



Mainboard Component Location



Jumper Settings

J3. Power Supply Connectors

Pin	Description	Pin	Description
1	Power Good	7	Ground
2	+5VDC	8	Ground
3	+12VDC	9	-5VDC
4	-12VDC	10	+5VDC
5	Ground	11	+5VDC
6	Ground	12	+5VDC

J12 Turbo Switch Connector

Setting	Description
Short	Normal Mode
Open	Turbo Mode

J11 Reset Switch Connector

Setting	Description
Open	Normal Mode
Short	Reset System

J14 Suspend Switch Connector

Setting	Description
Default	Normal Mode
Toggle	Force system to enter Suspend mode

J8 Keylock & Power LED Connector

Pin	Description
1	LED Output
2	NC
3	Ground
4	Keylock
5	Ground

J9 Speaker Connectors

Pin	Description
1	Speaker Out
2	Ground
3	Ground
4	5V



J10 Turbo LED Connector

Pin	Description
1	Anode(+)
2	Cathode(-), Ground

J13 Hard Disk LED Connector

Pin	Description
1	Anode(+)
2	Cathode(-), Ground



JP2 Flash EPROM BIOS Jumper

Description	JP2
12 volt Flash programming	
5 volt Flash programming	

Jumper Settings

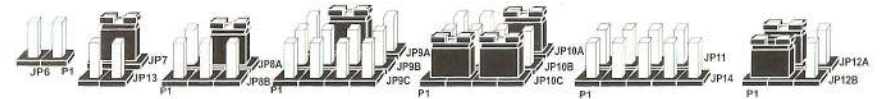
J4 CMOS RAM Discharge Jumper/External Battery Connector

Pin	Description
1	External Battery Positive
2	Internal Battery Positive
3	Connect to CMOS
4	Ground

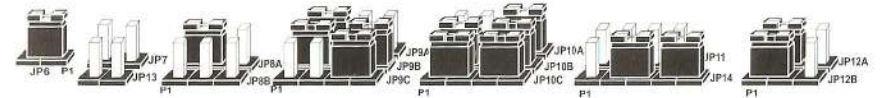
Description	J4
External battery	Connect an external battery to pins 1-4
Internal battery Mode	
Discharge CMOS	

CPU Type Jumpers

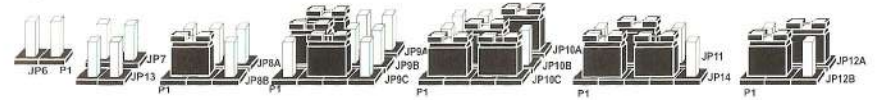
Intel 486DX/DX2



AMD X5-133/Cyrix 5x86-133, AMD-Enhance DX2/DX4



Cyrix/IBM/Ti/SGS DX/DX2/DX4

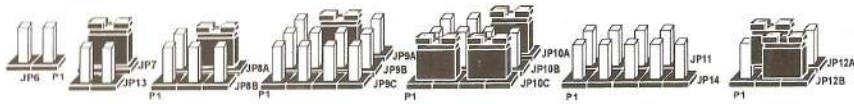


Intel P24D

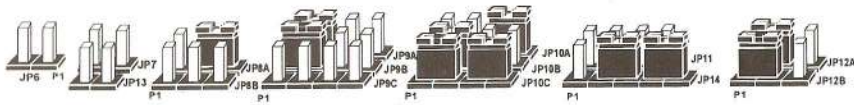


Jumper Settings

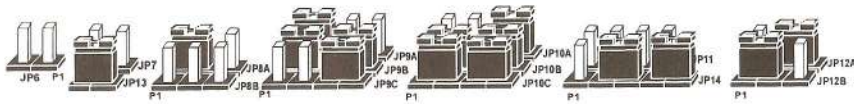
AMD DX2/DX4



Intel DX4-SL



Cyrix/IBM/SGS DX4-100 (Intel Pinout)



JP3A-C CPU Speed Jumpers

CPU Clock	JP3A	JP3B	JP3C
25MHz			
33MHz			
40MHz			
50MHz			

JP5A-D, JP4 CPU Speed Jumpers

CPU Power	JP5A-D	JP4
	Set all four jumpers the same	
3.3 Volts		
4 Volts		
5 Volts		

CPU	INTERNAL CLOCK SPEED			
Intel	DX4	2 x	JP6	ON
	DX4	3 x	JP6	OFF
Cyrix	5x86	3 x	JP6	OFF
	5x86	4 x	JP6	ON
AMD	X5	3 x	JP6	OFF
	X5	4 x	JP6	ON
AMD-Enhance	DX4	2 x	JP6	ON
	DX4	3 x	JP6	OFF
AMD	DX4	2 x	JP8A	2 - 3
	DX4	3 x	JP8A	1 - 2

