Specification

- VXPRO-II Pentium MMXTM PCI chipset
- Supports 75~233 MHz Pentium ™ CPUs at 50/60/66/75 MHz external clock speed with 321-pin ZIF socket
- Supports Pentium TM P54C and P55C, Cyrix/IBM 6x86, 6x86L, 6x86MX, IDT C6 and AMD K5/K6 CPUs
- Switching power provide CPU core voltage from 2.5V to 3.5V
- Uses four 72-pin EDO/Page Mode SIMM modules auto banking in multiple configuration up to 128MB
- Supports 256, 512KB onboard Pipelined Burst synchronous cache
- Three 16 bits ISA Bus slots and four PCI Local Bus slots, all four PCI slots support Master Mode
- Onboard PCI IDE interface with two connectors, supports four IDE devices in 2 channels
- Onboard super Multi-I/O chip that supports two serial ports with 16550 Fast UART compatible, one parallel port with EPP and ECP capabilities, and one floppy disk drive interface
- System BIOS supports ChipAway Virus designed by Trend that
 - ---- Guarantees a virus-free boot and a virus-free operating system
 - ---- Guards against viruses hidden in preinstalled software and preshipped products
 - ---- Offers built-in, hardware-based protection(no installation and configuration worries)
 - ---- Detects known and unknown boot viruses using Trend Micro's patented rule-based technology no after service required
- Provides PC-cillin97 that supports Macro Trap automatically detects and cleans all word macro viruses; Continuous protection from all possible virus sources; Up-to-the-minute virus news and information; Automatic on-line pattern fileupdates; NCSA certified



PENTIUM[®] MMX[™]

 VX_{PRO} - **II PENTIUM MMX** PCI Chipset PCI Bus and ISA Bus

 ■ With PCI IDE & Multi I/O
■ Fully Compatible with Intel MMXTM Technology with VX_{PRO}-II Chipset

Jumper Settings

JP11(A,B,C,D,E): CPU Core Voltage Selectors

	Setting		Setting
3.5V	A B C D E	2.9V	A B C D E
3.3V	A B C D E	2.8V	A B C D E
3.2V	A B C D E	2.5V	A B C D E

JP7: Power Good Selector

1-2	Internal
2-3	External

JP9: Cache Size Selector

1-2	256K
2-3	512K

JP10: CPU Type Jumper

CPU	Setting	Example
P55C (Dual Voltage)		Intel MMX [™] ,AMD K6, IBM/Cyrix 6x86L/ 6x86MX(M2)
P54C (Single Voltage)		Intel P54C, AMD K5, IBM/Cyrix 6x86, IDT C6

The information presented in this publication has been carefully checked for reliability ; however, no responsibility is assumed for inaccuracies. Specifications are subject to change without notice

Trademarks

IBM,PC/AT, and PC/XT are trademarks of International Business Machines Corporation.

Intel and Pentium are trademarks of Intel Corporation.

AMD is a trademark of Advanced Micro Devices Inc.

Cyrix is a trademark of Cyrix Corporation.

IDT is a trademark of Integrated Devices Technology Corporation.

AMI is a trademark of American Megatrends Inc.

MS-DOS and WINDOWS NT are registered trademarks of Microsoft Corporation

Jumper Settings

Component Locations

J1: CMOS RAM Clear Jumper

pin	Description	
1	Internal Battery	
2	CMOS	
3	Ground	



JP1~3: CPU Speed

Jumpers

ł	JP6, 5: CPU Internal Clock
	Speed Jumpers

Jumpe	15			speed ou	mpen	,			
CPU Clock	JP1	JP2	JP3	IDT	Intel	Cyrix	AMD	JP6	JP5
50MHz	1	1	1	Reserved	1.5X / 3.5X	Reserved	K5 1.5X/ K6 3.5X		
55MHz	1	1		Reserved	2.0X	2.0X	Reserved		
60MHz	1	1	1	Reserved	2.5X	M2 2.5X	2.5X		
66MHz	1			C6 3.0X	3.0X	M2 3.0X	K6 3.0X		
75MHz	1	1				1		<u> </u>	

1 COM2 **GGC 1 GCCC 1** J1 IR2 IO Chips 1 COM1 SI 1 PCI2 PCI1 PCI3 PCI4 USB IDE2 1 IDE1 fDC1 PWR1 Chipset Chipset B JP ۲ دط کط JP65 Cache Cache JP11 ABCDE JP10 Socket 7 JP9 HDD-LED RST BIOS FAN-PWR Cache

Quick Installation Guide

- 1. Set J1 to CMOS RAM discharge jumper (pin 1-2)
- 2. Set JP1~JP3 to select CPU speed
- 3. Set JP5, JP6 to select CPU internal clock speed
- 4. Set JP11(A, B, C, D, E) to select CPU core voltage
- 5. Insert CPU to CPU socket
- 6. Set JP9 to select Cache Size
- 7. Insert 72-pin SIMM modules into SIMM1~4
- 8. Install mainboard into system chassis
- 9. Connect keyboard to KBD1
- 10. Insert the display card and other peripheral cards (if required) onto the mainboard
- 11. Connect harddisk(s) to IDE1/IDE2
- 12. Connect floppy drive(s) to FDC1 connector
- 13. Connect serial ports to COM1 and COM2 connectors
- 14. Connect parallel port to PRN1 connector
- 15. Connect HDD LED to "Hard Disk Busy" LED on the system chassis
- 16. Connect RST to Reset Switch on the system chassis
- 17. Connect SPK to Speaker on the system chassis
- 18. Connect KEYLOCK to keylock and power LED on the system chassis
- 19. Connect power cord to PWR1 Power Supply Connector
- 20. Close system chassis, connect all external cables to your computer.

Connectors

COM1/2: Serial Port #1/#2 PRN1: Parallel Port FDC1: Floppy Disk Port IDE1/IDE2: Primary/Secondary IDE Ports KBD1: Keyboard Connector PWR1: Power Supply Connector KEYLOCK: Keylock & Power LED Connector HDD-LED: Hard Disk LED Connector RST: Reset Switch Connector SPK: Speaker Connector USB1: 2 set of USBs Connector

IR2: Infra Red

pin	Description
1	IR In
2	Ground
3	IR Out
4	+5VDC

FAN-PWR: Fan Power Connector

pin	Description
1	N.C.
2	12VDC
3	Ground