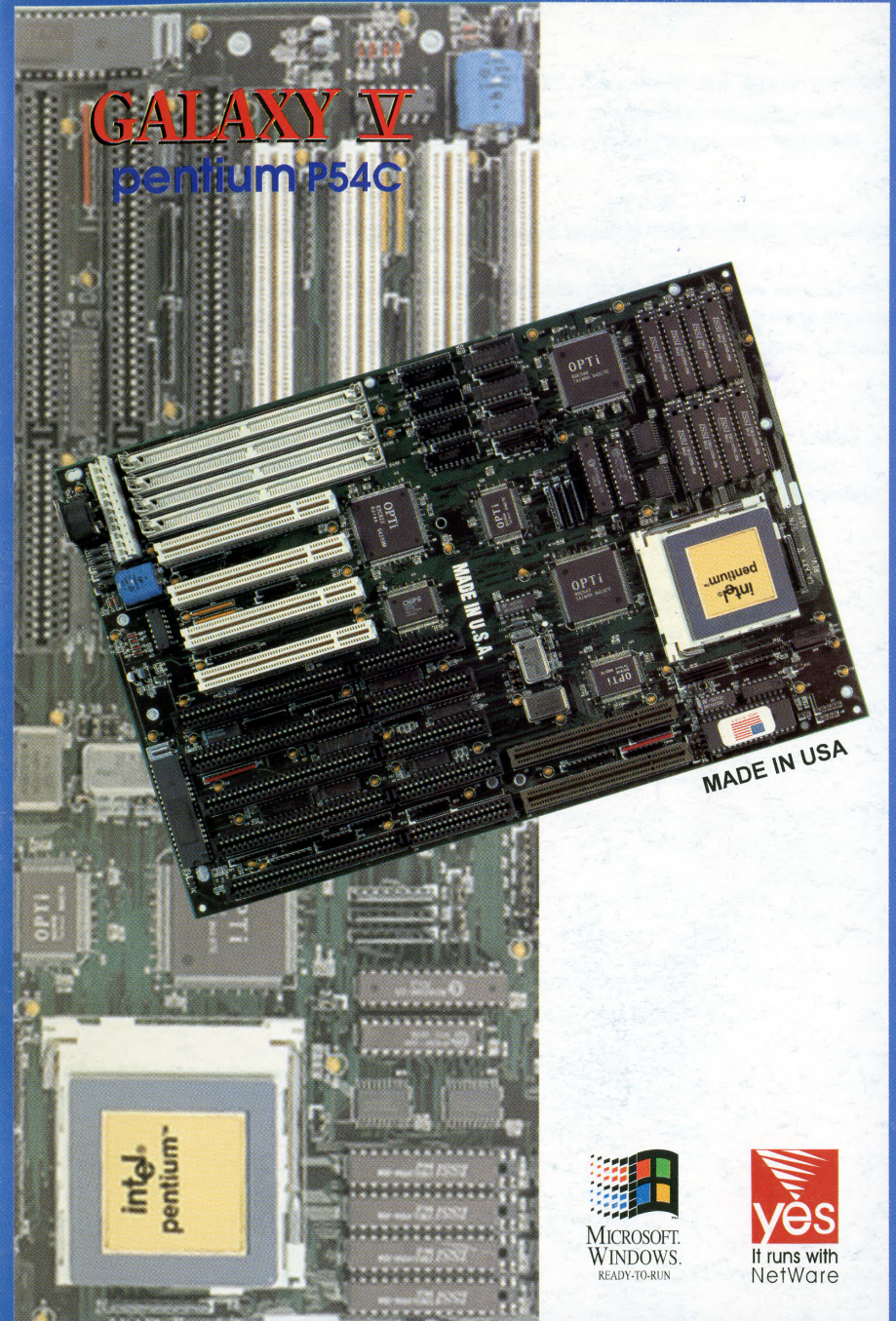


USER'S MANUAL

GALAXY V
pentium P54C



PRINTED IN U.S.A.



The OPTi 82C606 is a buffer/translation device used to translate 3.3V signal to 5.0V signal levels. This device buffers the CPU address bus to the ISA and VL address buses, the 82C546 memory data bus to the ISA data bus, the peripheral XD bus to the ISA SA and SD buses. It integrates a number of glue logic TTL devices, thus reducing the amount of TTL in the motherboard.

The OPTi 82C206 IPC provides two DMA controllers, two interrupt controllers, one timer/counter, and real-time clock in an industry standard single-chip solution for the peripherals attached to the PC/AT peripheral bus.

For more detailed features about the OPTi 82C822, 546, 547, 606, and 602 chipsets, please refer to Section 4 'Technical Information' under chipset overview.

1.2 Specifications

- CPU Intel Pentium Processor
- SPEED 90 or 100 MHz
- PCI 4 PCI bus master slots
- VESA 2 VESA bus slots
- ISA 5 16-bit standard AT slots
- CACHE Supports 64KB, 256KB and 512KB in either WB/WT mode
- DRAM Four 72-pin SIMM sockets support 2MB up to 128MB of on board memory using 1/2/4/8/16/32 MB 72-pin DRAM Module.
- BIOS AMI BIOS (w/ flash ROM support optional)
- SOCKET On board Zif socket for CPU
- CHIPSET OPTi 82C822, 82C546, 82C547, 82C606 and 82C206
- OS Support MS DOS, Windows, Windows NT, OS/2, Novell, SCO UNIX, and XENIX
- Performance :

Processor Benchmarks	Intel Pentium 100 MHz	Intel Pentium 90 MHz
Landmark v3.0	3988.1	3493.8
PowerMeter v1.7	68.4	62.9
PC Bench v8.0	120.2	108.1

VL Bus ID2 Selects

JP23	Selection	
Open	High Speed Write Set for 0WS	
Close	High Speed Write Set for 1WS	Default

2.5.8 82C546 Power Up Selections

JP13	JP14	Selection	
Close	Close	ATCLK Selected as LCLK/5	
Open	Close	ATCLK Selected as LCLK/4	Default
Close	Open	ATCLK Selected as LCLK/3	
Open	Open	ATCLK Selected as LCLK/2	

JP15	Selection	
Open	Slow AT Back to Back I/O Delay (3 AT Clocks Added)	Default
Close	Fast AT Back to Back I/O Delay (0 AT Clocks Added)	

JP18	Selection	
Open	LDEV# Sampling Selected at End of First T2	Default
Close	LDEV# Sampling Selected at End of Second T2	

3.0 AMI BIOS Setup

CMOS SETUP PROCEDURE :

1. Power up your system.
2. Hit the Del key for several times while your system is checking its memory.
3. The system may ask you to press the F1 key.
4. The screen should then appear as follows:

