



Packard Bell 286 IS/VT286 M/Board

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Specification

NOTE: PB286 with the old motherboard is also known as the IS/VT286.

- **Battery** : 3.5 Lithium, removable
- **BIOS** : 2 x 32KB - Packard Bell 3.90P. TO access Setup, Run SETUP.EXE Program
- **Cache** : N/A
- **Clock/Driver** : (RTC)
- **Cover Removal** :
 - PB286 : 2 screws on front under slide covers
 - IS/VT286 : 5 screws on edge of rear panel
- **CPU** : 80286-10MHz 80286-12MHz
 - PB286 - Keyboard Switchable (Ctrl)-(Alt)-(+) = 12 MHz. (Ctrl)-(Alt)-(-) = 8 MHz
 - IS/VT286 Hardware Switchable Speed Select Button - Speed Turbo Position : 12, STD Position : 8
- **Drive Cavities** : 3 X half-height (exposed), 2 X half-height (enclosed)
- **I/O Expansion slots** : 5 x 16-bit ISA, 3 x 8-bit ISA
- **Interfaces** :
 - 1 DB-25 Parallel Port
 - 1 RS-232, DB-9 Serial Port
 - 1 5-pin DIN Keyboard Port
 - 1 PS/2 Mouse Port
 - 1 15-pin VGA Port
- **Power Supply** : 210 watts 115v: (50Hz) /230v: (60)
- **RAM** : Standard on motherboard : 640Kb Maximum on motherboard : 1MB
- **Speaker** : Internal - cone on chassis
- **Video** : PB-EGA or PB-EGA/RS on expansion slot.

DIP Switches

The PB286 has 2 motherboard revisions, the IS/VT286 is the old motherboard.

The old version of this motherboard does not have DIP SWITCH 1

Dip Switches (SW1)

Switch	Function	Pins	Description
S1	RAM Size	ON OFF	640k or 640k + 384k 256k or 512k
S2	RAM Size	ON OFF	512k or 640k + 384k 256k or 640k
S3	System Clock	ON OFF	Low High or Middle
S4	System Clock	ON OFF	Middle or Low High or Low
S5	Reserved	OFF	
S6	Reserved	OFF	
S7	Display Mode	ON OFF	Colour Monochrome
S8	287 Clock Select	ON OFF	10 MHz 4.77 MHz

SW2 Settings (ROM Selector)

Switch	Function	Pins	Description
S1	ROM Size	ON OFF	128k 256k
S2	ROM Size	ON OFF	128k 256k
S3	ROM Size	ON OFF	256k 128k
S4	ROM Size	ON OFF	256k 128k

Upgrades

- **Cache Memory** : This system does not support cache memory.
- **Maths Co-Processor** : A math co-processor can be installed in U99, no jumpers need to be changed. Use a 80287-6 for 6-8-10 MHz systems and a 80287-8 for 12 MHz systems.
- **RAM** : Upgradeable to 1MB by adding (4)256Kx4 and (2)256Kx1. If you want to install Memory Card(s), in your 1 MB RAM system, be sure to select SW1-1 ON, SW1-2 OFF.
- **Video Memory** : This system has a video card, upgrade depends on card.