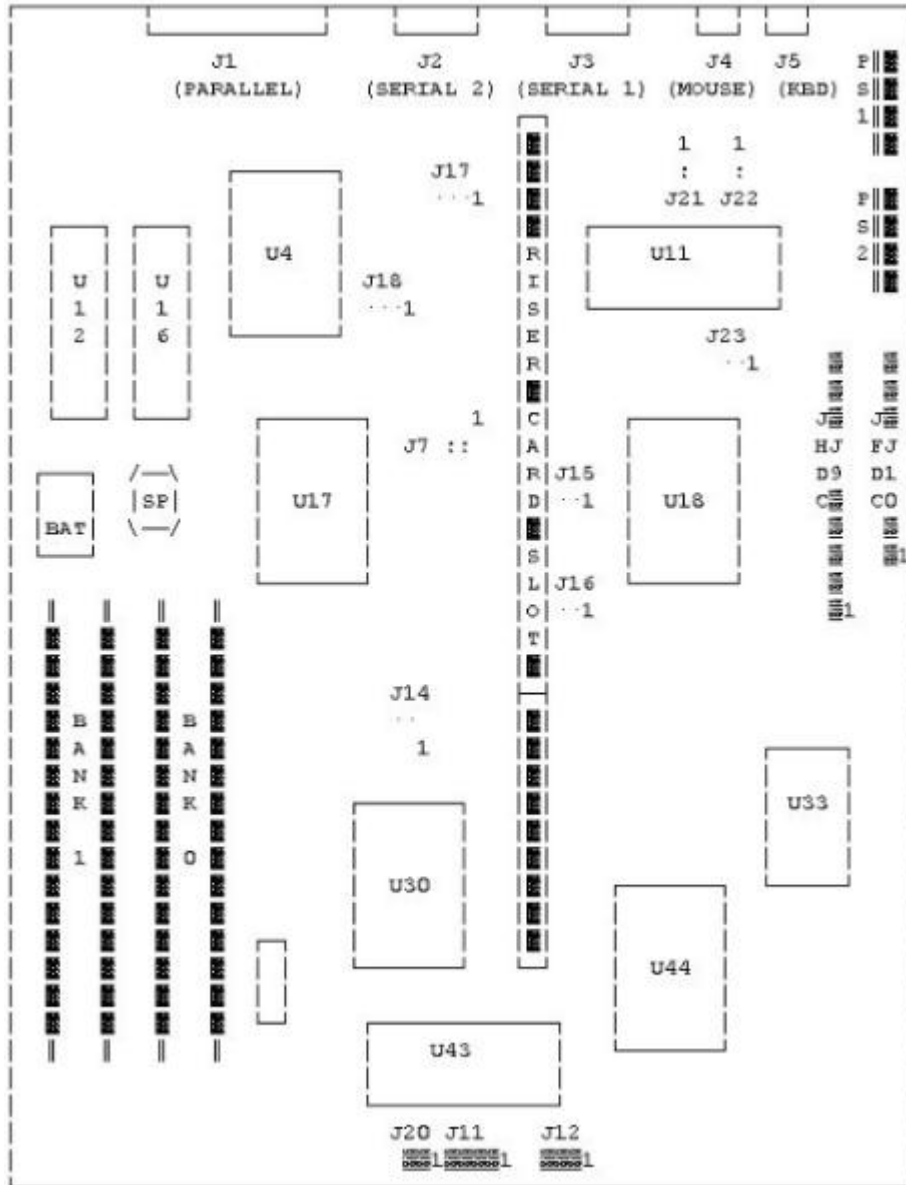


Packard Bell 286X M/Board



Specification

- **Battery** : 3.6 Volts. NiCad "barrel" soldered on motherboard
- **BIOS** : 2 X 32Kb - Phoenix 3.10.115. To access, Ctrl+Alt+S.
- **Cache** : N/A
- **Clock/Driver** : Not removable , soldered on motherboard
- **Cover Removal** : 1 screw , back left edge at center. 1 screw , back right edge at center
- **CPU** : 80286-12 MHz. Keyboard switches : (Ctrl)-(Alt)-(+) = 6/12 MHz
- **Drive Cavities** :
 - 1 x 3 ½ half-height (enclosed)
 - 2 x 5 ¼ half-height (enclosed)
 - 1 x 3 ½ half-height (exposed/vertical)
- **I/O Expansion slots** : 3 x 16-bit ISA, 1 x 8-bit ISA
- **Interfaces** :
 - 1 DB-25 Parallel Port

- 2 RS-232C, DB-9 Serial Port
- 1 PS/2 Keyboard Port
- 1 PS/2 Mouse Port
- **Keyboard** : 101 Key enhanced PS/2
- **Power Supply** :
 - 100 W : Fuse F4A 250V, switchable 110/220V , 50/60 Hz
 - 120V:3A :60Hz:outlet 1A
 - 220V:1.5A:50Hz:outlet 0.5A
- **RAM** : Standard on motherboard : 1MB. Maximum on motherboard : 4MB (Use 256Kb/1MB SIMMs 9-bit 100ns).
- **Speaker** : Piezoelectric soldered on mothboard.
- **Video** : VGA card on expansion slot. PBVGA Multi or SVGA. 800 x 600 , 16-bit, 256k

Jumpers

Jumper	Function	Pins	Description
J7	Serial Port	1-2 Closed 1-2 Open	* Com1 Enabled Com1 Disabled
		3-4 Closed 3-4 Open	* Com2 Enabled Com2 Disabled
J14	RAM Wait State	Closed Open	* 0 Wait State 1 Wait State
J15	SIMM Type	Closed Open	* 256k x 9 1MB x 9
J16	384k Relocation	Closed Open	* Disabled Enabled
J17	Parallel Port	1-2 2-3	* LPT1 LPT2
J18	Parallel Port IRQ	1-2 2-3	IRQ5 * IRQ7
J21	Floppy Controller	Closed Open	* Enabled Disabled
J22	Display Mode	Closed Open	* Colour Monochrome
J23	IDE Controller	Closed Open	* Enabled Disabled

1. Parallel Port LPT1 must be set to IRQ7, LPT 2 must be set to IRQ5
2. * Indicates default settings.

Upgrades

- **Cache Memory** : This system does not support cache memory.
- **Maths Co-Processor** : An 80287-8 co-processor can be installed, no jumpers need to be changed.
- **RAM** :

Total Memory	SIMMs	Jumpers	Extended Memory

1MB	Four 256k x 9 (Banks 0 and 1)	J14 ON* J15 ON* J16 ON*	384
2MB	Two 1MB x 9 (Bank 0)	J14 ON* J15 OFF J16 OFF	1408
4MB	Four 1MB x 9 (Bank 0 and 1)	J14 ON* J15 OFF J16 OFF	3456

* Default Setting

Base Memory = 640 (always)

J16 OFF Enables 384k Relocation, this is optional

Recommended SIMM speed is 100ns

- **Video Memory** : This system is NOT VESA compatible. This system has 256k video memory soldered (not upgradeable).