Acer Z1+ Motherboard

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Jumper and Connector Layout
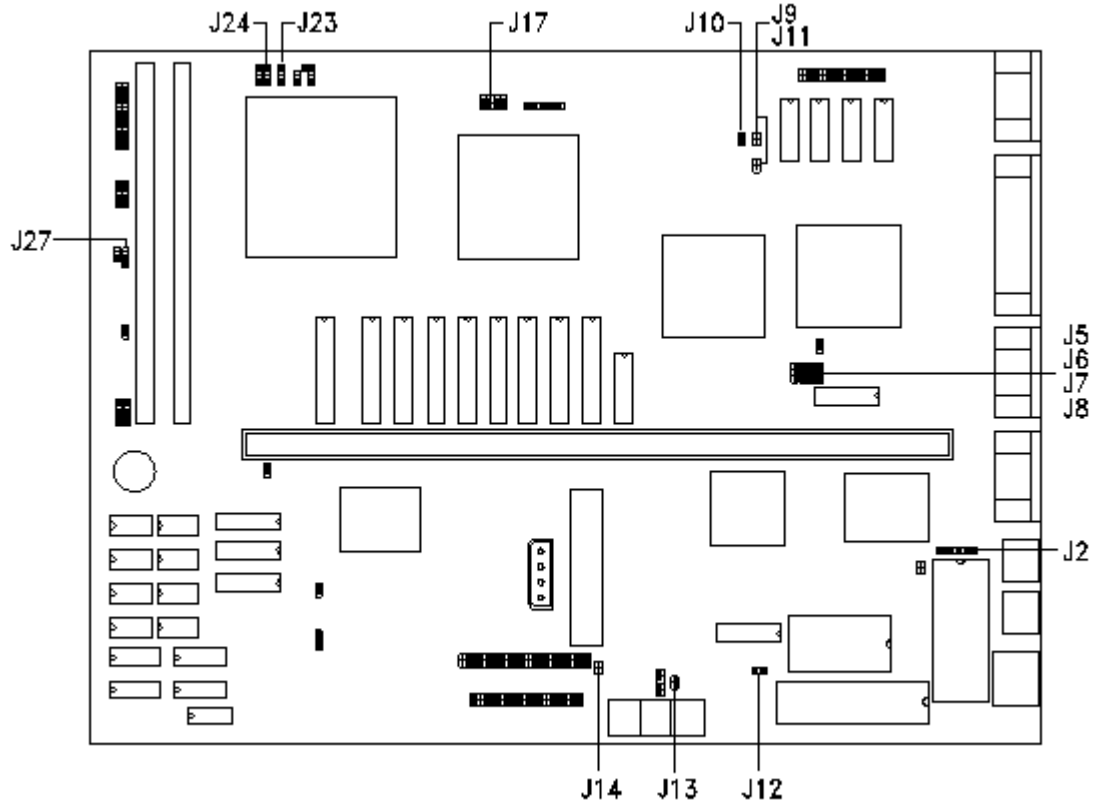
System Overview

- **SUPPORTED CPUs** : 486SX/25, 486SX/33, 486DX/25, 486DX/33, 486DX2/50 and 486DX2/66 PQFP or PGA type CPU
- **SPEED :** 25 and 33-MHZ (switchable)
- **MEMORY :** 4-MB on-board memory expandable to 36-MB using combinations of 4-, 8-, 16-MB SIMMs.
- **SECOND-LEVEL CACHE :** System supports optional 64-KB, 128-KB or 256-KB second-level cache.
- **ROM :** Supports 128-KB EPROM or Flash memory
- **DISPLAY ADAPTOR :** The maximum resolution is 1024x768 resolution with 256 colors, non-interlaced VGA. The default memory size is 1 MB. It can support 640x480x16million true colour.

- **FDD INTERFACE :** Supports 720 KB/1.44 MB/360-KB and 1.2 MB diskette drives.
- **HDD INTERFACE :** Embedded HDD interface (IDE) that supports the AT bus HDD
- **RTC :** Real-time clock supports system clock/calandar with expected life of 5 years.
- **HOUSING :** ID2P+
- **KEYBOARD :** PS/2-compatible Acer 101-/102-key keyboard
- **MOUSE :** PS/2-compatible mouse
- **BUZZER :** Sound Output
- **LED INTERFACE :** Speed, hard disk and power indicator
- **Slots :** 2 ISA, 2 VESA (One VESA master only) or 4 ISA

Jumper Settings

Jumper	Setting	Function
J2	1-2	Check Password
	2-3	Bypass Password
J4	Open	Disable VGA IRQ9
	Closed	Enable VGA IRQ9
J4 Not available on all revisions		
J7, J8	Open, 2-3	Write-Through Cache Tag Selection
	2-3, 1-2	Write-Back/7 Bit Cache Tag Selection
	1-2, 2-3	Write-Back/8 Bit Cache Tag Selection
J13	Closed	Enable Onboard Battery
	Open	Disable Onboard Battery
J14	Closed	Disable DRAM Parity
	Open	Enable Parity
J20	1-2	Enable Onboard VGA
	2-3	Disable Onboard VGA
J17	4-8	25MHZ(OR DX2/50) CPU Clock Speed
	3-7	33MHZ(OR DX2/66) CPU Clock Speed
J27	1-2	Disable Keylock
	2-3	Enable Keylock
J29	Open	Disable Onboard M5105
	Closed	Enable Onboard M5105
J31	1-2	Disable Onboard Memory
	2-3	Enable Onboard Memory

Cache RAM Size Selection

	J5	J6	J23	J24

64K	2-3	2-3	1-2	
128K	1-2	2-3	2-3	2-3
256K	1-2	1-2	1-2	2-3

CPU Type Selection

	J9	J10	J11
486DX / 486DX/2	Closed	Open	Open
486SX (PGA)	Open	Open	Open
486SX (PQFP)	Open	Closed	Open

Memory

4-MB on-board memory expandable to 36-MB using combinations of 4-, 8-, 16-MB SIMMs.