



[Home](#) | [Info](#) | [Embedded PC](#) | [tinyBIOS™](#) | [ALIX](#) | [WRAP](#) | [CompactFlash Adapters](#) | [Test Tools](#) | [Resources](#)  
| [Shop](#)

## alix3d3

## System board

### Status

active

### Part numbers

alix3d3 = 1 LAN / 2 miniPCI / LX800 / 256 MB / USB / VGA / audio - designed for thin clients or networked audio players.

### Use with

[box2c](#) indoor enclosure  
[brk3c3](#) bracket for box2c

### Spec

- CPU: 500 MHz AMD Geode LX800
- DRAM: 256 MB DDR DRAM
- Storage: CompactFlash socket
- Power: DC jack or passive POE, min. 7V to max. 20V
- Three LEDs
- Expansion: 2 miniPCI slots, LPC bus
- Connectivity: 1 Ethernet channel (Via VT6105M 10/100)
- I/O: DB9 serial port, dual USB, VGA, audio headphone out / microphone in
- RTC battery
- Board size: 100 x 160 mm
- Firmware: Award BIOS

### Customer options

I2C bus, buzzer

### ALIX.3D changes

- Add CMOS reset jumper.
- Soldering option for line in instead of MIC.
- Add test points for S/PDIF interface.
- Increase USB current limit.
- Add test points at switch pins for easier console restore.
- Populate buzzer driver circuit.
- Change J4 header to COM2.
- Add optional power in header.
- Reduce conducted EMI on DC jack.
- Add second Poscap on 3.3V rail to ruggedise for high power radios.

### BIOS updates

[beta](#) Fix LEDs, VGA DDC issue (boot hang), free up MFGPT timers.  
[10/06/08](#) Default = UART port B disable. Please use zapcmos.exe when upgrading to make sure it sticks...  
[7/01/08](#) fixed serial port (see advanced chipset menu, scroll down). Please disable UART port B, conflict with VGA DDC.  
Please note that this board uses Award BIOS, tinyBIOS does not support VGA...

### Drivers

Linux, \*BSD: should be included in recent distributions.  
Windows XP [audio / video / crypto drivers](#)  
Windows XP [Via VT6105M network driver](#)

### Manufacturer

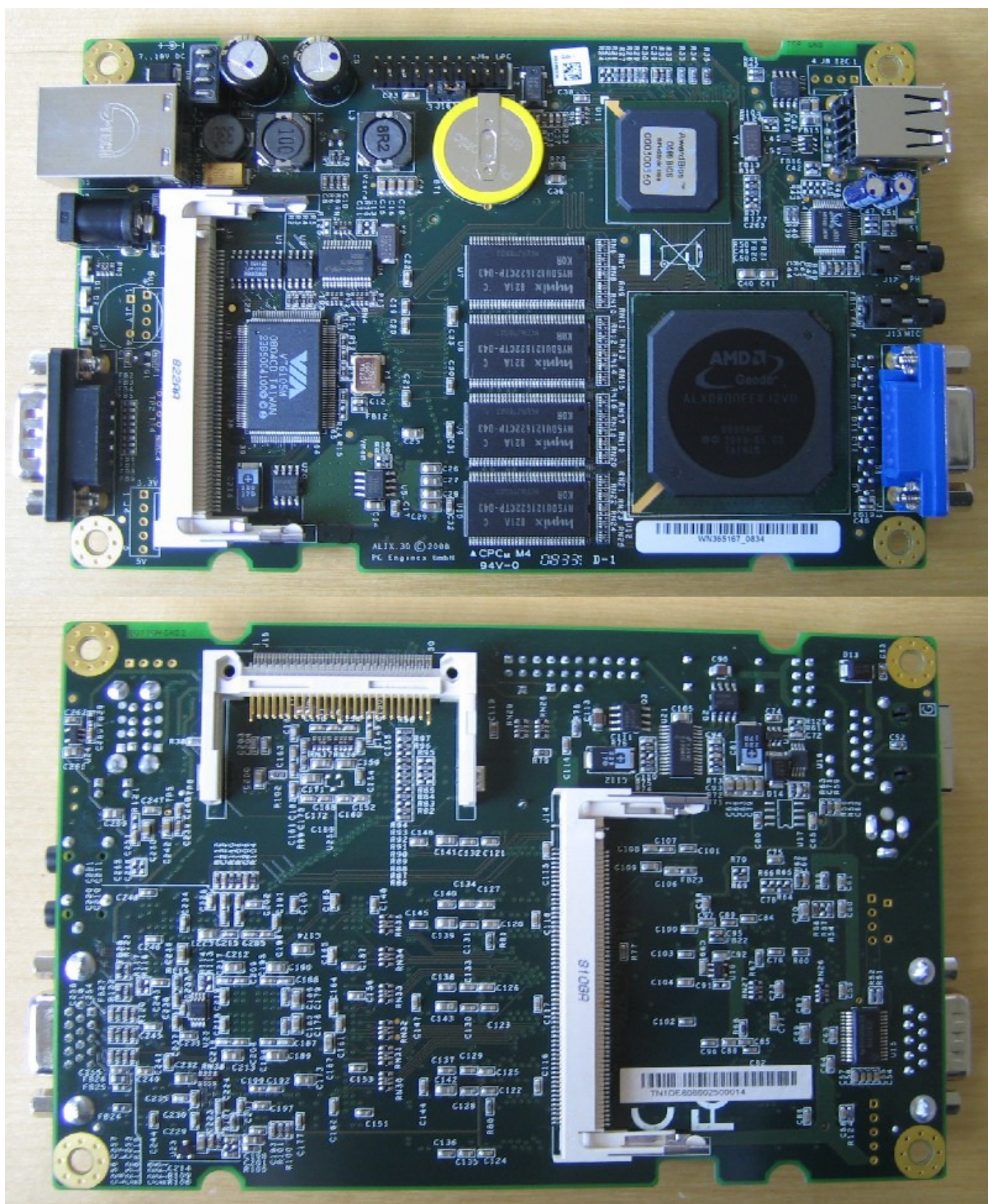
PC Engines

### Origin

Taiwan

### Schematic

[PDF](#)



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