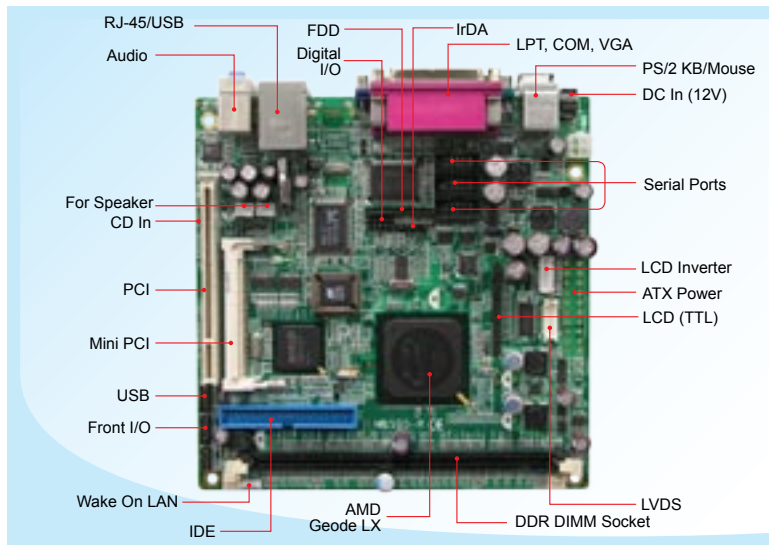


# IPC Motherboards MB500

AMD Geode LX Mini-ITX Motherboard w/ AMD CS5536 Chipset

AMD Geode LX-Based



## Features

- Supports AMD Geode LX processors, 433MHz (LX700)/500MHz (LX800)
- DDR DIMM x 1, Max. 1GB
- One or two Realtek RTL8100C 10/100Mbps Ethernet
- Integrated LX800/LX700 2D VGA controller, supports CRT and TFT/LVDS LCD display
- 4 x USB 2.0, 4 x COM, CF socket
- Watchdog timer, Digital I/O, 1 x PCI, 1 x Mini PCI slot

## System

|                |                                             |
|----------------|---------------------------------------------|
| CPU            | AMD Geode LX (LX800 @500MHz, LX700 @433MHz) |
| System Memory  | DDR DIMM x 1, Max. 1GB                      |
| System Chipset | AMD CS5536 chipset                          |
| BIOS           | Award                                       |
| Watchdog Timer | 256 levels                                  |
| SSD            | CF socket, Type II                          |
| H/W Monitor    | Yes                                         |
| Expansion Slot | 1 PCI, 1 Mini PCI                           |

## Graphics

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| VGA Controller | LX800/LX700 built-in 2D graphics controller<br>Supports CRT and TFT / LVDS LCD interface |
| VGA Memory     | Shared memory; Max. 64MB                                                                 |
| LCD Interface  | 44-pin pin header for TFT LCD panel<br>DF13 connector for LVDS interface                 |

## Ethernet

|                |                                    |
|----------------|------------------------------------|
| LAN Controller | 1 or 2 Realtek RTL8100C 10/100Mbps |
| Connector      | RJ-45 on board                     |

## Multi I/O

|         |                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Chipset | AMD CS5536 + Winbond W83627HG + Fintek F81216D<br>1x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse,<br>3x RS-232, 1x RS-232/422/485, 1x LPT |
| USB     | 2 ports on board<br>Pin header for 2 ports (USB 2.0)                                                                                       |
| Audio   | Realtek ALC203                                                                                                                             |
| Others  | IrDA, Digital I/O (4 in, 4 out), +12V DC-in                                                                                                |

## Mechanical and Environmental

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Dimensions             | 170mm x 170mm (6.7" x 6.7")                     |
| Max. Power Requirement | AMD Geode LX800 500MHz w/ 512MB DDR +12V: 1.33A |
| Operating Temperature  | 0°C~60°C (32°F~140°F)                           |
| Storage Temperature    | -20°C~80°C (-68°F~176°F)                        |
| Relative Humidity      | 10%~90% (non-condensing)                        |

## Ordering Information

|          |                                                                                                |
|----------|------------------------------------------------------------------------------------------------|
| MB500-R  | AMD Geode LX700, 433MHz, Mini-ITX motherboard w/ VGA and 10/100 Ethernet (RoHS compliant)      |
| MB500F-R | AMD Geode LX800, 500MHz, Mini-ITX motherboard w/ VGA and dual 10/100 Ethernet (RoHS compliant) |

Remarks:

\* Specifications are subject to change without prior notice.

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