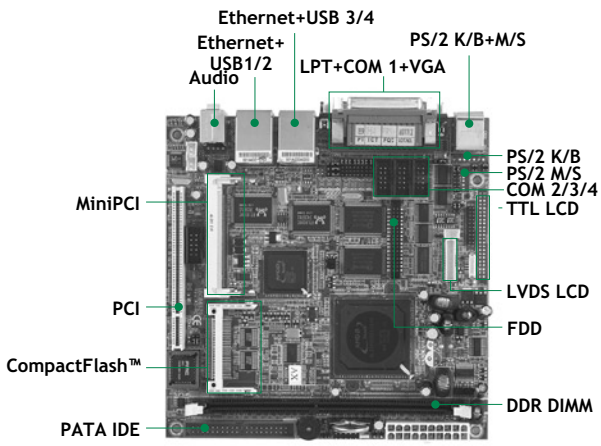


# SBC86620

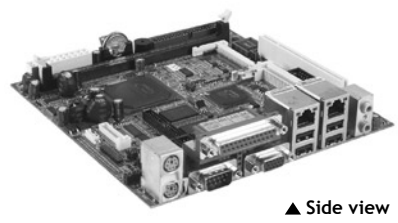
AMD LX Mini ITX SBC with Dual LANs, 4 COM and USB 2.0



|                |
|----------------|
| LX800          |
| 2 G.E.         |
| LVDS/VGA/TTL   |
| RS-232/422/485 |
| 4 USB 2.0      |
| AC'97 Audio    |
| 1 PCI          |

## Features

- Low Power Fanless AMD LX800
- AMD LX + CS5536AD chipset
- Dual 10/100 Mbps Ethernet supported
- 4 COM and 4 USB 2.0 ports
- 1 PCI slot and MiniPCI socket for expansion



## System

|                     |  |
|---------------------|--|
| CPU                 | AMD LX800 processor onboard                                  |
| System Memory       | 1 x 184-pin DIMM supports DDR-333/400 max up to 1GB          |
| Chipset             | AMD LX800 + CS5536AD   |
| BIOS                | Phoenix-Award  |
| SSD                 | 1 x CompactFlash™ type-II                                    |
| Watchdog Timer      | 255 levels, 1-255 sec.                                       |
| Expansion Interface | 1 x PCI for 32-bit PCI supports 2 bus masters<br>1 x MiniPCI |
| Battery             | Lithium 3V/220 mAH   |
| Size                | 170 x 170 mm   |
| Temperature         | 0°C - +60°C (32°F - 140°F), operation                        |
| Operation Humidity  | 10% - 95% relative humidity, non-condensing                  |

## I/O

|                     |  |
|---------------------|--|
| MIO                 | 1 x IDE; PATA-100<br>1 x FDD<br>1 x PS/2 keyboard<br>1 x PS/2 mouse<br>3 x RS-232 (COM 2/3/4); with +5V/+12V powered<br>1 x RS-232/422/485 (COM 1); with +5V/+12V powered<br>1 x LPT; with SPP/EPP/ECP supported |
| SATA                | N/A  |
| Hardware Monitoring | Detect CPU/system temperature and voltage  |
| Ethernet            | 2 ports as 10/100Mbps support Wake-on-LAN, RPL/PXE<br>Boot ROM with Realtek RTL8100C   |
| Audio               | AC'97 Codec audio as MIC-in/Line-out/Speaker-out<br>with Realtek ALC203  |
| USB                 | 4 x USB 2.0 ports  |
| SMBus               | System Management Bus for advanced monitoring/control interface  |
| Digital I/O         | 8 channels IN/OUT programmable   |

## Display

|                   |  |
|-------------------|--|
| Chipset           | AMD LX intergrated   |
| Memory Size       | Max. up to 254 MB  |
| Display Interface | 1 x VGA<br>1 x LCD interface for TTL (Max up to 24-bit) or LVDS (18/24-bit single channel) |

## Packing List

| Standard  |                                   |                      |
|---|-----------------------------------|----------------------|
| Quick installation guide, user's manual/utility CD, cable |                                   |                      |
| Cable   |                                   |                      |
| Part Number   | Description                       | SBC86620VEEA-500 Qty |
| 59380402010E  | COM port cable w/ bracket         | 1                    |
| 593836A0010E  | 40-40-40 IDE cable<br>L=310+155mm | 1                    |

## Ordering Information

| Standard         |   |
|------------------|---|
| SBC86620VEEA-500 | Mini ITX SBC with AMD LX800 500 MHz CPU, VGA/LCD, 2 10/100Mbps, AC'97 audio (P/N: E386620101) and 4 COM ports |

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix