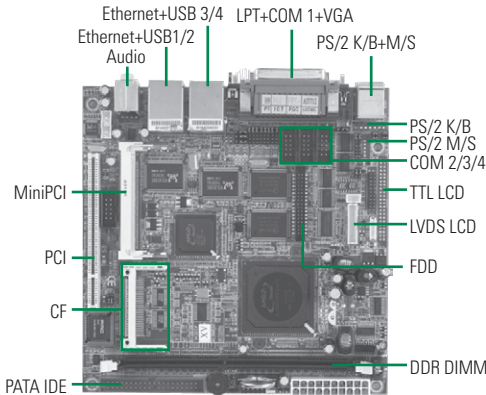


# SBC86620

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



## System

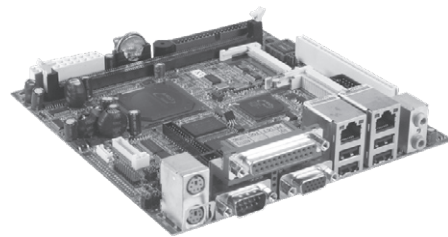
CPU	AMD LX800 processor onboard
System Memory	1 x 184-pin DIMM supports DDR-333/400 max. up to 1 GB
Chipset	AMD LX800 + CS5536AD
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI for 32-bit PCI supports 2 bus masters 1 x MiniPCI
Battery	Lithium 3V/220 mA
Power Requirements	AMD LX800, 1GB DDR Max. RMS: +5V_SBY @ 0.07A, +3.3V @ NA, +5V @ 1.255A, +12V @ 0.046A, -12V @ NA
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 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 Boot ROM with Realtek RTL8100C
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with Realtek ALC203
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels IN/OUT programmable

## 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



▲ Side view

## Display

Chipset	AMD LX integrated
Memory Size	Max. up to 254 MB
Display Interface	1 x VGA 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	Qty
59380402010E	COM port cable w/ bracket	1
593836A0010E	40-40-40 IDE cable L=310+155mm	1

## Ordering Information

### Standard

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

SBC  
Services  
and Solutions

Systems  
on  
Modules

Embedded  
SBCs  
>EPIC

Embedded  
SBCs  
>3.5" Capa

Embedded  
SBCs  
>Nano-ITX

Embedded  
SBCs  
>Pico-ITX

Embedded  
SBCs  
>PC/104

Industrial  
Mother-  
boards

Slot  
CPU  
Cards

Accessories

Appendix