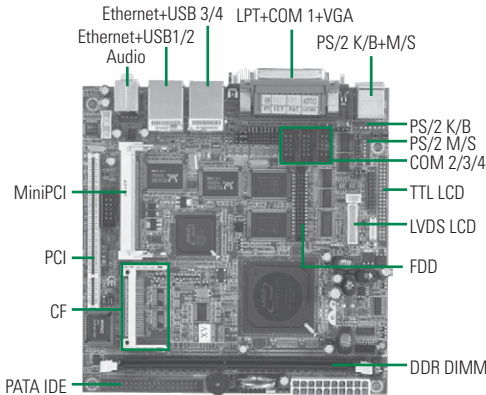


SBC86620

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



System

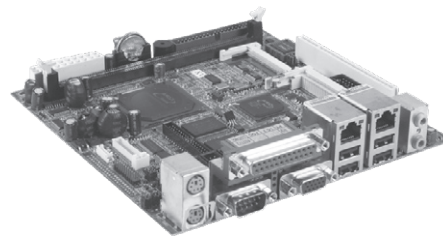
| | |
|---------------------|--|
| CPU | AMD LX800 processor onboard |
| System Memory | 1 x 184-pin DIMM supports DDR-333/400 max. up to 1 GB |
| Chipset | AMD LX800 + CS5536AD |
| BIOS | Phoenix-Award |
| SSD | 1 x CompactFlash™ type-II |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 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 |
|-------------------|--|--|

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Appendix