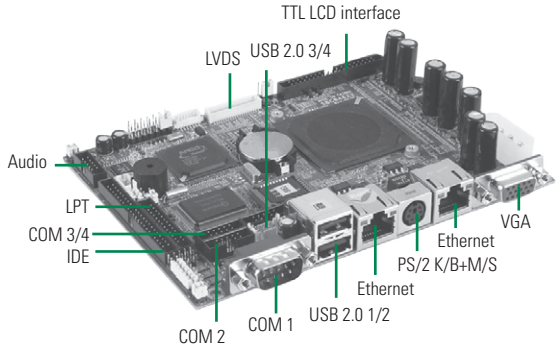
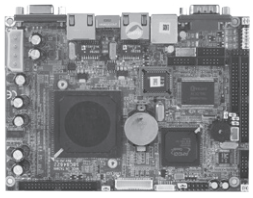
# SBC84622

AMD LX800 3.5" Embedded SBC with Dual LANs, 4 COM, 4 USB 2.0 and VGA/LVDS/TTL

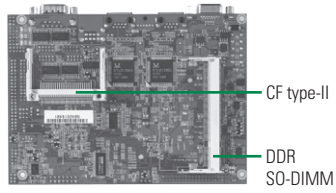



## Features

- Low power fanless AMD LX800 processor
- Dual 10/100Mbps Ethernet supported
- 4 COM ports and 4 USB 2.0 ports
- VGA and LVDS/TTL LCD



▲ Top view




▲ Rear view

## System

| | |
|---|---|
| CPU | AMD LX800 processor onboard |
| System Memory | 1 x 200-pin SO-DIMM supports DDR-333/400 max. up to 1 GB |
| Chipset | AMD CS5536AD |
| BIOS | Phoenix-Award |
| SSD | 1 x CompactFlash™ type-II |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | N/A |
| Battery | Lithium 3V/220 mAH |
| Power Input | 1 x 4-pin connector<br>+5V DC-in only (+12V is required for +12V powered COM and LVDS inverter)<br>AT Auto Power On function supported |
| Power Requirements | AMD LX800 @ 500 MHz, 1 GB DDR<br>Max. RMS: +5V @ 1.544A, +12V @ 33mA |
| Size | 146 x 104 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | Standard: 0°C ~ +60°C (32°F ~ 140°F)<br>Optional: -25°C ~ +70°C (-13°F ~ +158°F) |
| Relative Humidity | 10% ~ 95% relative humidity, non-condensing |

## I/O

| | |
|---|---|
| MIO | 1 x IDE<br>PATA-100<br>1 x PS/2 keyboard and mouse<br>4 x RS-232; with +5V/+12V powered<br>1 x LPT; with SPP/EPP/ECP supported |
| SATA | N/A |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Digital I/O | 3 channel IN and 5 channel OUT |
| Ethernet | 2 ports as 10/100Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL |
| Audio | AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC203 |
| USB | 4 x USB 2.0 |
| SMBus | System Management Bus for advanced monitoring/control |

## 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 | Qty |
|---|---|---|
| 59384500200E | COM w/ bracket P=2.0 mm, L=250 mm | 1 |

## Ordering Information

| Standard | |
|---|---|
| SBC84622VEEA-500 W/TTL LCD (P/N: E384622100) | 3.5" embedded SBC with AMD LX800, VGA/TTL LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio |
| SBC84622VEEA-500 w/ 24-bit LVDS LCD (P/N: E384622102) | 3.5" embedded SBC with AMD LX800, VGA/24-bit LVDS LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio |
| SBC84622VEEA-500 w/ 18-bit LVDS LCD (P/N: E384622101) | 3.5" embedded SBC with AMD, VGA/18-bit LVDS LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio |

* W.T.: Wide Temperature




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