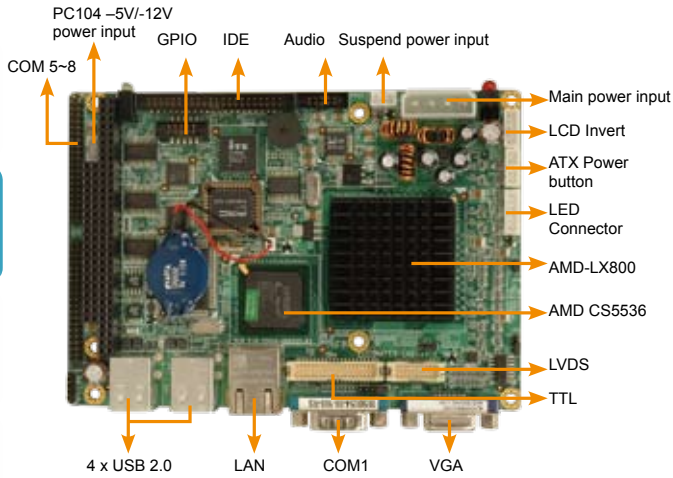


WAFER-LX2

3.5" SBC with AMD® Geode LX800 Processor, 8 COM, DDR 400MHz, VGA/LVDS/TTL Display Interfaces, PC/104, 4 x USB 2.0 & Embedded OS Support



Specifications

- ◆ CPU
On board AMD® Geode™ LX800(500MHz) processor
- ◆ System Chipsets
AMD® Geode™ LX800 + CS5536
- ◆ BIOS
Award BIOS
- ◆ System Memory
One 200-pin 400/333MHz DDR SDRAM SO-DIMM Supported (System max. 1GB)
- ◆ Ethernet
10/100Mbps Single RTL8100C Ethernet Chipsets
- ◆ I/O Interface
7 x RS-232
1 x RS-232/422/485
4 x USB 2.0
1 x IDE
- ◆ Expansions
PC/104 (ISA Bus)
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Display Interface
VGA Integrated in AMD® Geode LX800
24-bit TTL
18-bit single channel LVDS
- ◆ Audio
Realtek ALC203 with AC'97 codec
- ◆ SSD
CF Type II
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
5V only, AT/ATX support
- ◆ Power consumption
5V@1.33A (AMD® LX800 with DDR 400MHz/ 1GB)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F~ 140°F)
- ◆ Humidity
Operating: 5% ~95 non-condensing
- ◆ Dimensions
146 mm x 102 mm
- ◆ Weight
GW: 670 g; NW: 230 g

Packing List

| |
|---------------------------------------------------|
| 1 x WAFER-LX2 Single Board Computer |
| 1 x Mini Jumper Pack |
| 1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS) |
| 2 x 4 RS-232 Adapter cable (P/N: 32200-025401-RS) |
| 1 x Audio cable (P/N: 32200-072100-RS) |
| 1 x Utility CD |
| 1 x QIG |

WAFER-LX/LX2 Comparison

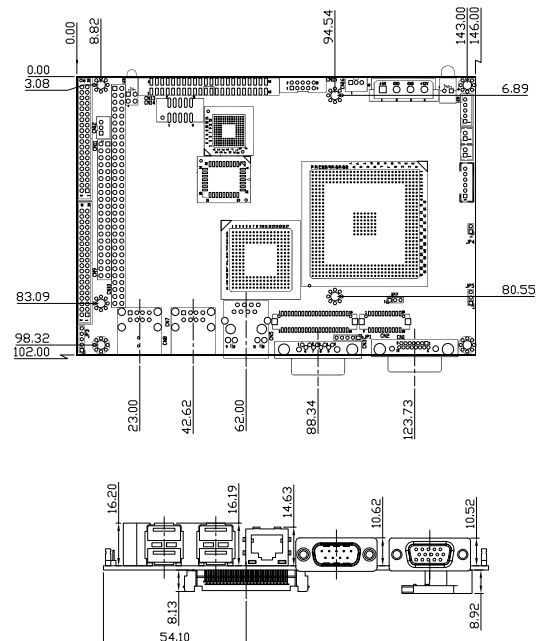
| Function \ Model Name | WAFER-LX | WAFER-LX2 | WAFER-LX3 |
|-----------------------|----------------|-----------------|-----------------|
| CPU | AMD LX800 | AMD LX800 | AMD LX800 |
| CPU Speed | 500MHz | 500MHz | 500MHz |
| Chipset | NB | AMD LX800 | AMD LX800 |
| | SB | CS5536 | CS5536 |
| DDR SDRAM | MHz | DDR 400MHz | DDR 400MHz |
| | DIMM Socket | 200-pin SO-DIMM | 200-pin SO-DIMM |
| BIOS | Award | Award | Award |
| Display | CRT | DB-15 | DB-15 |
| | TTL | 24-bit | 24-bit |
| | LVDS | 18-bit | 18-bit |
| Audio | AC97 | Realtek ALC203 | Realtek ALC203 |
| LAN | 10/100 Mbps | 2 x RTL8100C | 1 x RTL8100C |
| | RS-232 | 2 | 7 |
| | RS-422/485 | 1 | 0 |
| COM | RS-232/422/485 | 0 | 1 |
| | RS-232/422/485 | 0 | 1 |
| | RS-232/422/485 | 0 | 0 |
| LPT | 1 | N/A | 1 |
| SATA | 2 | N/A | N/A |
| KB/MS | Pin Header | 1 | N/A |
| Operating Temperature | 0°C ~ 60°C | 0°C ~ 60°C | -20°C~ 80°C |



Features

1. 3.5" Form Factor with AMD® Geode™ LX800 CPU
2. DDR 333/400MHz SO-DIMM Socket up to 1GB
3. VGA, 24-bit TTL, 18-bit LVDS display interface
4. 7 x RS-232 and 1 x RS-232/422/485

Dimensions (mm)



Ordering Information

| Part No. | Description |
|-------------------|-----------------------------------------------------------------------------------------------------------------|
| WAFER-LX2-800-R10 | 3.5" SBC with AMD Geode LX800 Processor, Audio, VGA/LVDS,TTL/LVDS, 4xUSB 2.0, 7 x RS-232 and 1 x RS-232/422/485 |
| IO-KIT-4COM-R10 | 4 COM Ports Adapter Board |
| WAFER-LX2-XPE | Windows®XP Embedded Image & SLD S/W CD, Licensed Sticker (W/O CPU Board) |