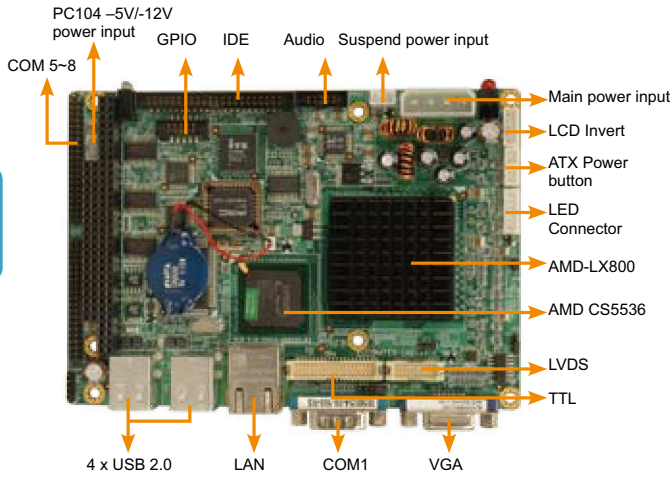


# WAFER-LX2

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

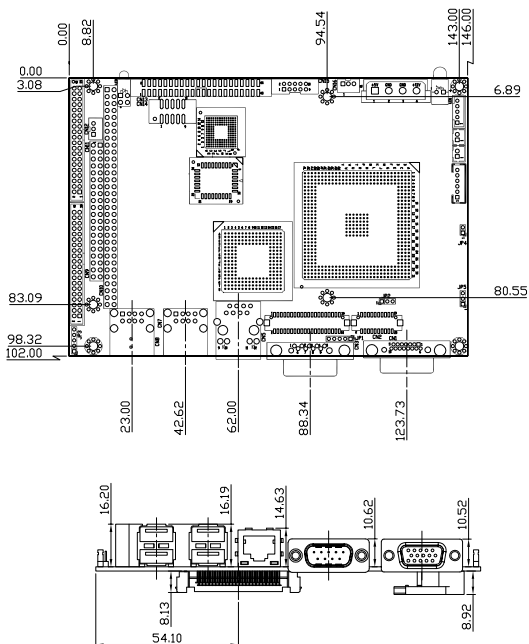
Function \ Model Name	WAFER-LX	WAFER-LX2	WAFER-LX3
CPU	AMD LX800	AMD LX800	AMD LX800
CPU Speed	500MHz	500MHz	500MHz
Chipset	NB	AMD LX800	AMD LX800
	SB	CS5536	CS5536
DDR SDRAM	MHz	DDR 400MHz	DDR 400MHz
	DIMM Socket	200-pin SO-DIMM	200-pin SO-DIMM
BIOS			
Display	CRT	Award	Award
	TTL	DB-15	DB-15
	LVDS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