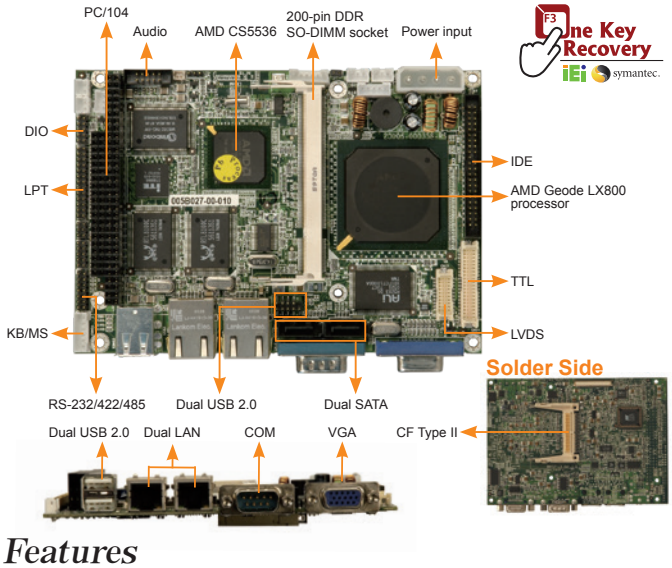
# WAFER-LX

***3.5" SBC with on-board AMD Geode™ LX 800 Processor VGA/LVDS/TTL, Dual LAN and SATA***



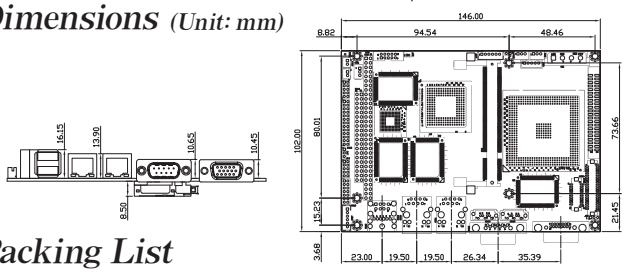

## Features

- 3.5" form factor embedded board with AMD Geode™ LX 800 processor and RoHS compliant
- 333/400 MHz DDR SDRAM SO-DIMM supports up to 1 GB
- Complete I/O support with two SATA, IDE, CF Type II, PC/104, dual LAN and four USB 2.0
- 24-bit TTL/18-bit single-channel LVDS
- Value embedded applications with low power and fanless design. Support Windows® XP/CE/XPe
- The best choice for thin client Windows® CE 5.0, XPe OS image with ICA, RDP and IE APs ready
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- CPU
  AMD Geode™ LX800 (500 MHz) processor
- Chipset: AMD CS5536
- BIOS: Award BIOS
- System Memory
  One 200-pin 400/333 MHz DDR SDRAM SO-DIMM slot supports up to 1 GB
- Ethernet
  Dual LAN: 10/100Mbps RTL8100C Ethernet Controller
- External I/O Interface
  1 x RS-232 2 x USB 2.0
- Internal I/O Interface
  1 x CF Type II
  1 x IDE (2x22 pin, P=2.0)
  1 x LPT (2x13 pin, P=2.0)
  1 x KB/MS (1x6 pin)
  1 x RS-232 (2x5 pin, P=2.0)
  1 x RS-422/485 (2x2 pin, P=2.0)
  2 x SATA 1.5Gb/s (RAID 0, 1 support)
  2 x USB 2.0 (2x4 pin, P=2.0)
- Expansion: 1 x PC/104
- Digital I/O: 8-bit digital I/O (2x5 pin)
- Audio: Realtek ALC203 with AC`97 codec
- Display Output
  1 x VGA (up to 1920x1440@60Hz)
  1 x 18-bit single-channel LVDS (up to 1280x1024@60Hz)
- Infrared Interface: 1 x Infrared interface (1x5 pin)
- Watchdog Timer
  Software programmable supports 1~255 sec. system reset
- Power Supply
  5V only DC input
  1 x Internal power connector (1x4 pin)
  Support AT/ATX mode
- Power Consumption
  5V@1.53A (AMD LX800 with one 1 GB 400 MHz DDR memory)
- Operating Temperature: 0°C ~ 60°C
- Storage Temperature: -10°C ~ 70°C
- Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions: 146 mm x 102 mm
- Weight: GW: 670g / NW: 230g
- CE/FCC compliant

## Dimensions *(Unit: mm)*



## Packing List

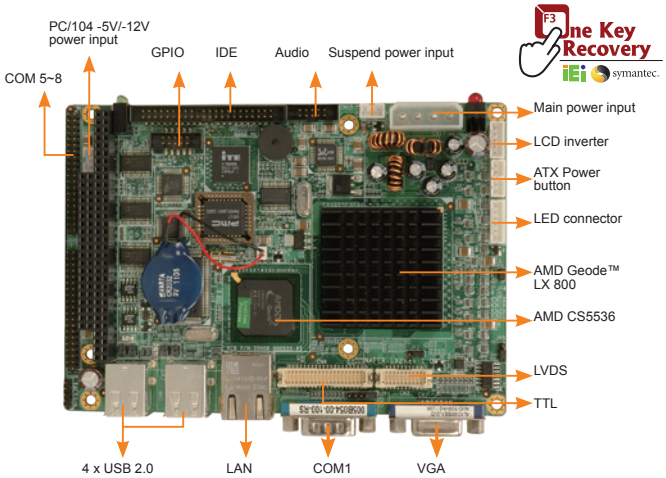
| | |
|---|---|
| 1 x WAFER-LX single board computer | 1 x Audio cable |
| 1 x KB/MS Y cable | 1 x IDE flat cable 44p/44p |
| 1 x RS-232/422/485 cable | 1 x Mini jumper pack |
| 1 x SATA power cable | 1 x One Key Recovery CD |
| 1 x USB cable | 1 x QIG |
| 2 x SATA cable | 1 x Utility CD |

## Ordering Information

| Part No. | Description |
|---|---|
| WAFER-LX-800-R12 | 3.5" SBC with AMD Geode™ LX 800 processor, audio, VGA/LVDS/TTL, dual LAN and SATA connectors |
| 32200-015100-RS | LPT cable, 280mm, P=2.0 |

# WAFER-LX2

***3.5" SBC with AMD Geode™ LX 800 Processor, Eight COM, DDR 400 MHz, VGA/LVDS/TTL Display Interfaces, PC/104, Four USB 2.0, Embedded OS Support***



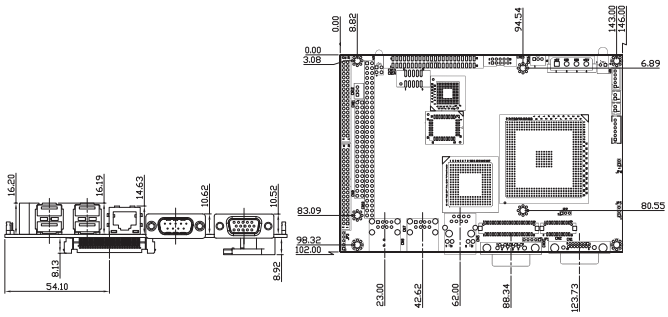

## Features

- 3.5" form factor with AMD Geode™ LX 800 CPU
- One 333/400 MHz DDR SO-DIMM socket supports up to 1 GB memory
- VGA, 24-bit TTL, 18-bit LVDS display interfaces
- Seven RS-232 and one RS-232/422/485
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- CPU
  AMD Geode™ LX 800 (500 MHz)
- Chipset
  CS5536
- BIOS
  Award BIOS
- System Memory
  One 200-pin 400/333 MHz DDR SDRAM SO-DIMM slot supports up to 1 GB
- Ethernet
  LAN: 10/100Mbps RTL8100C Ethernet Controller
- External I/O Interface
  1 x RS-232 4 x USB 2.0
- Internal I/O Interface
  1 x CF Type II
  1 x IDE (2x22 pin, P=2.0)
  1 x RS-232/422/485 (2x7 pin, P=2.0)
  6 x RS-232 (2x5 pin, P=2.0)
- Expansion
  1 x PC/104 (ISA Bus)
- Digital I/O
  8-bit digital I/O (2x5 pin)
- Display Output
  1 x VGA (up to 1920x1440@60Hz)
  1 x 24-bit single-channel TTL (up to 1600x1200@60Hz)
  1 x 18-bit single-channel LVDS (up to 1280x1024@60Hz)
- Audio: Realtek ALC203 with AC`97 codec
- Watchdog Timer
  Software programmable supports 1 ~255 sec. system reset
- Power Supply
  5V only DC input
  1 x Internal power connector (1x4 pin)
  Support AT/ATX mode
- Power Consumption
  5V@1.33A (AMD Geode™ LX 800 with one 1 GB 400 MHz DDR memory)
- Operating Temperature
  0°C ~ 60°C (32°F ~ 140°F)
- Storage Temperature: -10°C ~ 70°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions: 146 mm x 102 mm
- Weight: GW: 670g / NW: 230g
- CE/FCC compliant

## Dimensions *(Unit: mm)*



## Packing List

| | |
|---|---|
| 1 x WAFER-LX2 single board computer | 1 x Mini jumper pack |
| 1 x Audio cable | 1 x One Key Recovery CD |
| 1 x IDE flat cable 44p/44p | 1 x QIG |
| 2 x Quad RS-232 adapter cable | 1 x Utility CD |

## Ordering Information

| Part No. | Description |
|---|---|
| WAFER-LX2-800-R12 | 3.5" SBC with AMD Geode™ LX 800 processor, Audio, VGA/LVDS, TTL/LVDS, four USB 2.0, seven RS-232 and one RS-232/422/485 |