

# WAFER-LX

3.5" SBC with on-board AMD Geode™ LX 800 Processor



## 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

|                          |  |
|--------------------------|--|
| System                   |  |
| CPU                      | AMD Geode™ LX800 (500MHz) processor  |
| Chipset                  | AMD CS5536   |
| Memory                   | One 200-pin 400/333MHz DDR SDRAM SODIMM  |
| Memory Max.              | 1GB  |
| Physical Characteristics |  |
| Dimensions (LxWxH) (mm)  | 146 X 102  |
| Net Weight               | 230  |
| Storage                  |  |
| Storage                  | 1 x Description: IDE(2 x 22 pin, P=2.0)  |
|                          | 2 x SATA 1.5Gb/s(RAID 0, 1support)   |
|                          | 1 x CF Type II Card  |
| I/O Interface            |  |
| Display Output           | 1 x VGA :up to 1920x1440@60Hz  |
|                          | 1 x LVDS :18-bit singel-channel (up to 1280x1024@60Hz)                         |
| Ethernet                 | LAN :10/100Mbps RTL8100C Ethernet Controller                                   |
| Audio                    | Description: Realtek ALC203 with AC'97 Codec                                   |
| I/O Interface            | 1 x External RS-232  |
|                          | 1 x Internal RS-232 :2x5 pin, P=2.0  |
|                          | 1 x Internal RS-422/485 :2x2 pin, p=2.0  |
|                          | 2 x External USB 2.0   |
|                          | 2 x Internal USB 2.0 :2x4 pin, P=2.0   |
|                          | 1 x PS/2 :1x6 pin  |
|                          | 1 x LPT :2x13 pin, p=2.0   |
| Expansion                | 1 x PC/104   |
| Power                    |  |
| Power Consumption        | 5V@1.53A (AMD LX800 with one 1GB 400MHz DDR memory)                            |
| Power Supply             | 5V only DC input, 1 x internal power connector *1 x 4 pin),support AT/ATX mode |
| Environment              |  |
| Operating Temperature    | 0°C ~ 60°C   |
| Storage Temperature      | -10°C ~ 70°C   |
| Humidity                 | 5% ~ 95%, non-condensing   |

|                |                  |
|----------------|------------------|
| Certifications |                  |
| Safety & EMC   | CE/FCC compliant |

## Ordering Information

|                  |  |
|------------------|--|
| WAFER-LX-800-R12 | 3.5" AMD LX800 500MHz CPU Board with LCD/CRT VGA, LAN, SATA, USB2.0, Audio, RoHS |
|------------------|--|

## 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 USB cable              |
| 1 x QIG                            | 2 x SATA cable             |