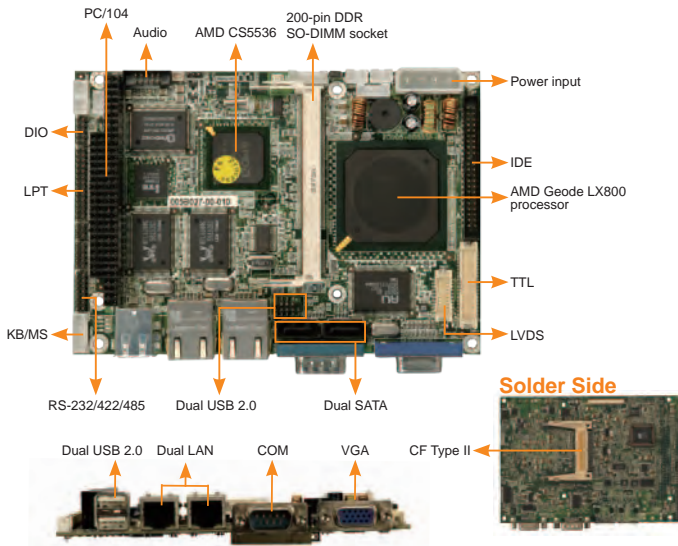


# WAFAER-LX-R12

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



## Features

1. 3.5" form factor embedded board with AMD Geode™ LX 800 processor and RoHS compliant
2. DDR 333/400MHz SO-DIMM SDRAM up to 1GB
3. Complete I/O support with two SATA, IDE, CF Type II, PC/104, dual LAN and four USB 2.0
4. 24-bit TTL/18-bit single-channel LVDS
5. Value embedded applications with low power and fanless design. Support Windows® XP/CE/XPe
6. The best choice for thin client Windows® CE 5.0, XPe OS image with ICA, RDP and IE APs ready
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU  
On board AMD Geode™ LX800 (500MHz) processor
- ◆ System Chipsets  
AMD Geode LX800 + AMD CS5536
- ◆ BIOS  
Award BIOS
- ◆ System Memory  
One 200-pin 400/333MHz DDR SDRAM SO-DIMM Supported (system max. 1GB)
- ◆ Ethernet  
Dual LAN: 10/100Mbps RTL8100C Ethernet Controller
- ◆ I/O Interface  
4 x USB 2.0  
2 x SATA with VIA VT6421A RAID 0, 1 function support  
1 x LPT  
1 x CF Type II  
2 x RS-232  
1 x RS-422/485  
1 x PS/2 for KB/MS  
1 x IDE
- ◆ Expansion  
1 x PC/104
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Super I/O  
Winbond W83627EHG
- ◆ Audio  
Realtek ALC203 with AC'97 Codec
- ◆ Display  
VGA integrated in AMD Geode™ LX 800  
24-bit TTL  
18-bit single-channel LVDS
- ◆ Infrared Interface  
1 x Infrared interface by pin header
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply  
5V only, AT/ATX power support
- ◆ Power Consumption  
5V@1.53A (AMD LX800 with DDR 400MHz/1GB)
- ◆ 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: 670 g/NW: 230 g

## Packing List

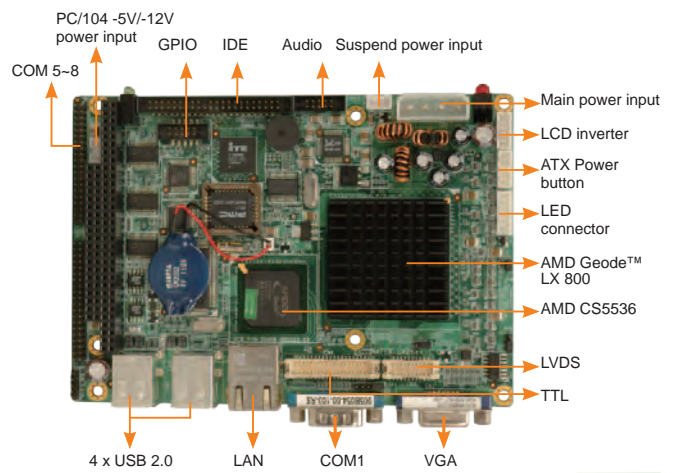
1 x WAFAER-LX800 single board computer	
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)	
1 x RS-232/422/485 cable (P/N: 32200-026500-RS)	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x One Key Recovery CD
1 x KB/MS Y cable (P/N: 32000-023800-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x USB cable (P/N: 32000-070301-RS)	1 x QIG

## Ordering Information

Part No.	Description
WAFAER-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

# WAFAER-LX2-R12

3.5" SBC with AMD Geode™ LX 800 processor, 8 COM, DDR 400MHz, VGA/LVDS/TTL display interfaces, PC/104, four USB 2.0, Embedded OS support



## Features

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

## Specifications

- ◆ CPU  
On-board AMD Geode™ LX 800 (500MHz) processor
- ◆ System Chipsets  
AMD Geode™ LX 800 + CS5536
- ◆ BIOS  
Award BIOS
- ◆ System Memory  
One 200-pin 400/333MHz DDR SDRAM SO-DIMM supported (system max. 1GB)
- ◆ Ethernet  
LAN: 10/100Mbps RTL8100C Ethernet Controller
- ◆ I/O Interface  
7 x RS-232  
4 x USB 2.0  
1 x RS-232/422/485  
1 x IDE
- ◆ Expansion  
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™ LX 800  
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 Geode™ LX 800 with 400MHz 1GB DDR)
- ◆ 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

## Packing List

1 x WAFAER-LX2 single board computer		
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)		
2 x Quad RS-232 adapter cable (P/N: 32200-025401-RS)		
1 x Audio cable (P/N: 32200-072100-RS)	1 x One Key Recovery CD	
1 x Mini jumper pack	1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
WAFAER-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



1  
Industrial Computing Solutions

2  
Video Capture Solutions

3  
Embedded Computing Solutions

4  
Automation Control

5  
ORing Network Communication

6  
Power Supply/Peripherals

7  
Panel Solutions Introduction