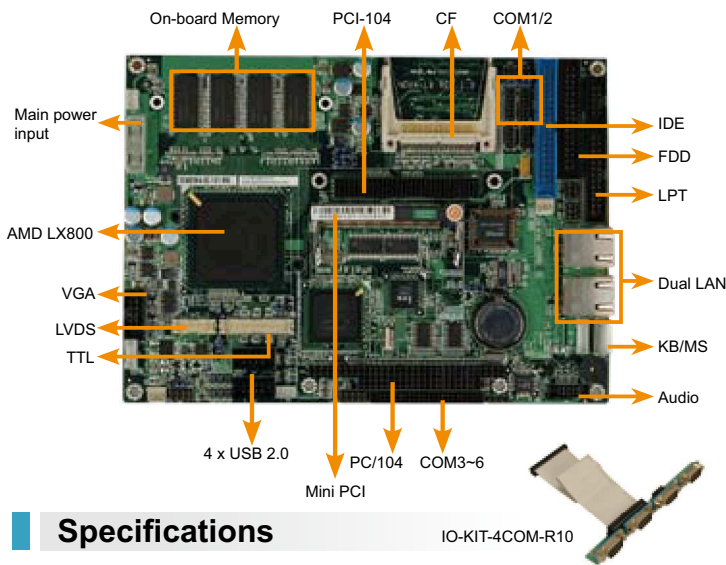


# NOVA-LX

5.25" SBC, AMD Geode™ LX800 CPU with VGA/LVDS/TTL,  
Dual LAN, USB 2.0, Audio and On-Board Memory



## Specifications

IO-KIT-4COM-R10

- ◆ CPU  
On board AMD® Geode™ LX800(500MHz) Processor
- ◆ System Chipsets  
AMD® Geode™ CS5536 I/O companion
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
On board 128MB DDR SDRAM Supported, optional 256MB
- ◆ Ethernet  
10/100Mbps dual Realtek RTL8100C Ethernet chipsets
- ◆ I/O Interface  
6 x RS-232  
(COM1 and COM2, DB9 pin-9 Voltage +5V, +12V jumper selection)  
2 x RS-232/422/485  
4 x USB 2.0  
1 x IDE  
1 x FDD  
1 x LPT  
1 x PS2 KB/MS
- ◆ Expansion  
1 x PC/104+ (ISA+PCI Bus)  
1 x Mini PCI
- ◆ Digital I/O  
8-bit digital I/O, 4 input/ 4 output
- ◆ Infrared Interface  
N/A
- ◆ Super I/O  
W83627EHG
- ◆ Display Interface  
VGA integrated in AMD® LX800  
24-bit TTL  
18-bit single channel LVDS
- ◆ Audio  
AC'97 codec with Realtek ALC203
- ◆ SSD  
CF type I/II
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply  
5V only, 12V for LCD&COM1/2, AT/ATX support
- ◆ Power consumption  
5V@1.66A (AMD® LX800 500MHz CPU with 256 MB on board memory)
- ◆ Temperature :Operating:  
NOVA-LX-800W: -20°C ~ +80°C  
NOVA-LX-800: 0°C ~ +60°C
- ◆ Humidity :Operating:  
5% ~95% non-condensing
- ◆ Dimension :203 mm x 146 mm
- ◆ Weight : GW: 700 g / NW: 260 g

## Packing List

- 1 x NOVA-LX single board computer
- 1 x mini jumper pack
- 1 x IDE flat cable (P/N: 32200-000052-RS)
- 1 x VGA cable (P/N: 32000-033800-RS)
- 1 x KB/MS Y cable (P/N: 32000-000138-RS)
- 1 x audio cable (P/N: 32000-072100-RS)
- 1 x 4 RS-232 adapter cable (P/N: 32200-025401-RS)
- 2 x USB cable (P/N: 32000-044300-RS)
- 2 x single RS-232 cable (P/N: 32200-000015-RS)
- 1 x Utility CD
- 1 x QIG

### IEI Extreme working environment design !!!



Design 1  
AMD Geode™ LX800@0.9W  
Low Power Highly Integrated x86 Processor



Design 2  
On-board memory for vibration free solution



Design 3  
Wide Temperature : -20°C ~ +80°C Support



DDR 400

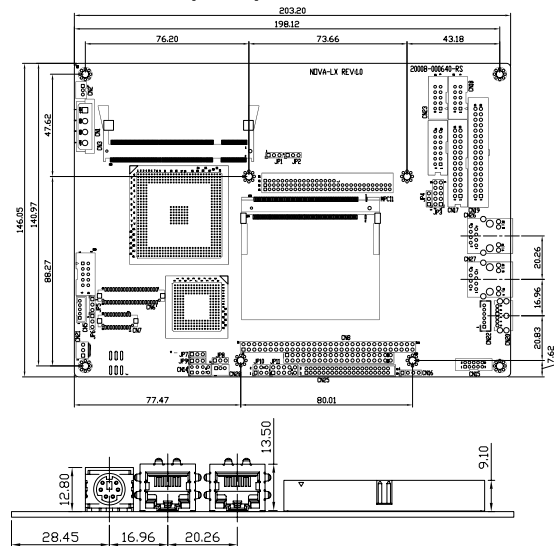
On-board Memory

Wide Temperature

## Features

1. 5.25" Form Factor with AMD® Geode™ LX800 CPU
2. On-board 128 MB Memory, up to optional 256 MB
3. VGA, 24-bit TTL, 18-bit single channel LVDS display interface
4. 6 x RS-232 and 2 x RS-232/422/485, 4 x USB 2.0
5. Supports wide operating temperature

## Dimensions (mm)



## Ordering Information

Part No.	Description
NOVA-LX-800W-R10	5.25" SBC, AMD® Geode™ LX800 CPU, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 128MB memory and wide operating temperature (-20°C~+80°C)
NOVA-LX-800-R10	5.25" SBC, AMD Geode™ LX800 CPU, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 128MB memory
NOVA-LX-CE060	Windows® CE 6.0 Image & BSP S/W CD, Licensed Sticker (w/o CPU board)
NOVA-LX-CE050	Windows® CE 5.0 Image & BSP S/W CD, Licensed Sticker (w/o CPU board)
NOVA-LX-XPE	Windows® XP Embedded Image & SLD S/W CD, Licensed Sticker (w/o CPU Board)
32200-000017-RS	FDD Cable
32200-015100-RS	LPT Cable
32200-000063-RS	RS-232/422/485 Cable
IO-KIT-4COM-R10	4 COM Ports Adapter Board