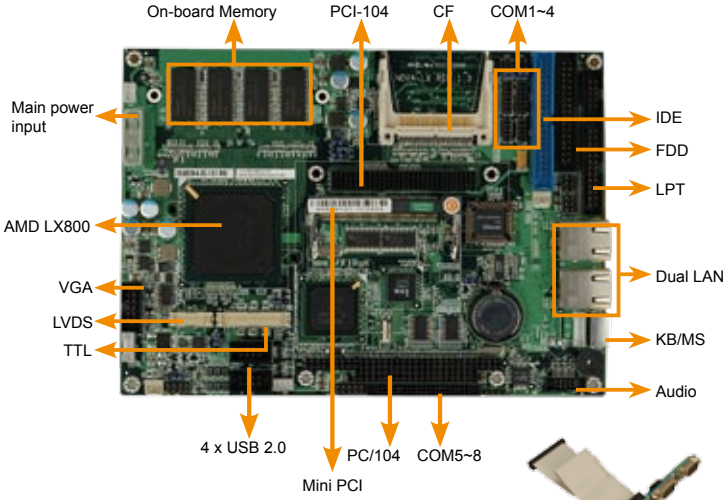
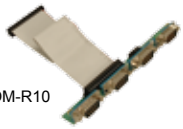
NOVA-LX

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



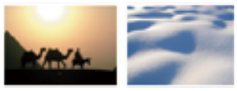


IO-KIT-4COM-R10

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 : -20ºC ~ +80ºC Support

USB · Windows Embedded · Windows CE 5.0 · Fanless · AMD Geode · DDR 400 · On-board Memory · Wide Temperature

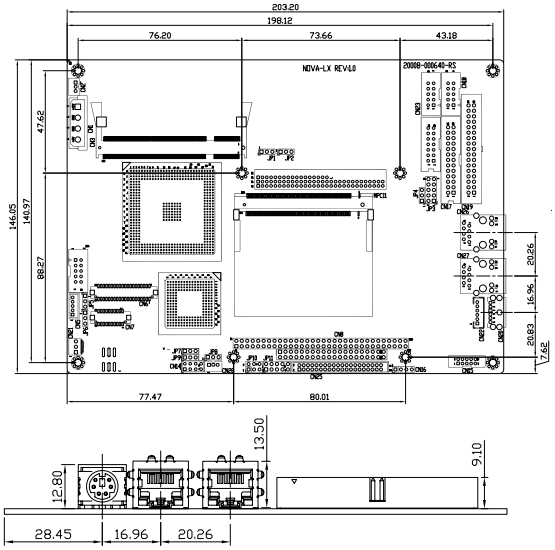
Specifications

- CPU
  On board AMD® Geode™ LX800(500MHz) Processor
- System Chipsets
  AMD® Geode™ CS5536 I/O companion
- BIOS
  AMI BIOS
- System Memory
  On-board 256 MB DDR SDRAM Supported, optional 512 MB
- 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 (COM3, COM4)
  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

Features

1. 5.25" Form Factor with AMD® Geode™ LX800 CPU
2. On-board 256 MB Memory, up to optional 512 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)



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

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 256 MB memory and wide operating temperature (-20ºC~+80ºC)
NOVA-LX-800-R10	5.25" SBC, AMD Geode™ LX800 CPU, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 256 MB 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
19800-000049-RS	LPT Cable
32200-000063-RS	RS-232/422/485 Cable
IO-KIT-4COM-R10	4 COM Ports Adapter Board