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NISE 3120

AMD Geode™ LX800 Fanless System with IEEE 1394/ CF/ Mini-PCI





Main Features

- **Supports AMD Geode™ LX800 400/500 MHz with 128 KB L2 Cache**
- **AMD Geode™ CS5536 Companion Chip**
- **Dual 10/100 Ethernet LAN Ports**
- **4 x USB 2.0/VGA/IEEE 1394/Audio Out Interface**
- **On-board Mini-PCI Socket for Wireless LAN Connection**
- **4 x Serial Ports with RS232 Support**

Product Overview

Based on the AMD Geode™ LX800 Processor and CS5536 chipset, the rugged NISE 3120 fanless PC supports DDR memory up to 1 GB with one 2.5" HDD drive bay. The NISE 3120 fanless system is designed for space-critical applications requiring fanless operation, high reliability, low power consumption and fl exible I/O confi guration. The NISE 3120 fanless PC offers a wide variety of I/O ports located at both the front and rear of the unit. They include two 10/100 Ethernet LAN ports, four USB 2.0 ports, IEEE1394, VGA and Audio-out. For added flexibility, the NISE 3120 also has four RS232 ports, a CompactFlash socket, PC/104-Plus and one Mini-PCI Expansion Slot for wireless connection solutions.

Housed in a compact 195 mm x 150 mm x 80 mm heavy-duty aluminum chassis, the compact design of the NISE 3120 is a cost-effective solution for a multitude of missioncritical embedded computing applications for automation, machine control, and POS systems.

Specifications

Main Board

- EBC 420-LX8
- Supports AMD Geode™ LX800 500 MHz with 128 KB L2 cache
- AMD Geode™ CS5536 companion chip

Main Memory

- 1 x 184-pin Non-ECC Non-Registered DDR DIMM, Max up to 1 GB

I/O Interface-Front

- HDD Access/Power/LAN status LED (Act/Link; Speed)
- Programmable Alarm LED
- Programmable Status LED
- 4 x USB 2.0 ports
- 2 x Serial ports

I/O Interface-Rear

- 1 x Parallel port
- 1 x PS/2 Keyboard/Mouse
- 1 x IEEE1394 port
- 2 x Serial ports
- 1 x Audio out
- 2 x 10/100 Ethernet LAN
- 1 x VGA connector
- 1 x DC power +12 V input

Device

- 1 x On-board CompactFlash socket
- 1 x Internal 2.5" HDD drive bay

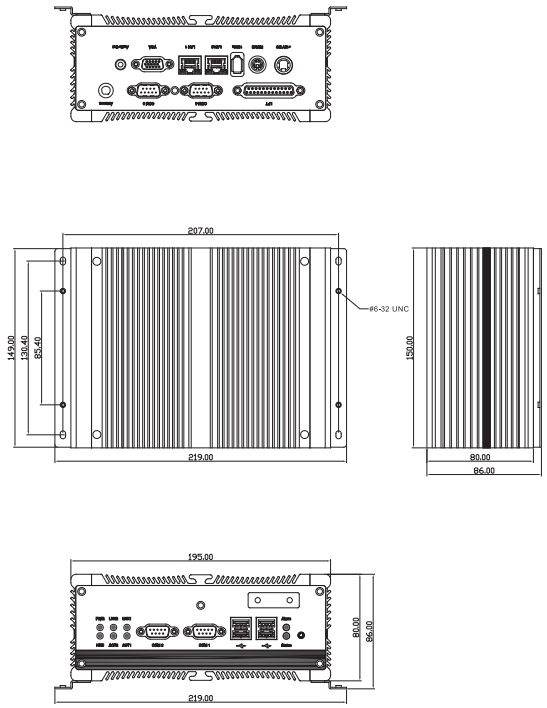
Expansion

- 1 x PCI104 (without -12 V and -5 V)
- 1 x Mini-PCI socket

Power Requirements

- 1 x External 60 W AC adapter
  Power input: 100 ~ 240 VAC 2 A 50/60 Hz
  Power output: 12 VDC

Dimension Drawing



Dimensions

- 195 mm (W) x 150 mm (D) x 80 mm (H) (7.7" x 5.91" x 3.1")

Construction

- Aluminum chassis with Fanless Design

Environment

- Operating temperature:
  Ambient with air flow: 0°C to 40°C
- Tcase (Surface Temperature of Chassis)
  5°C to 40°C (W/HDD)
  -10°C to 45°C (W/CF card only)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certifications

- CE approval
- FCC Class A

Ordering Information

- **NISE 3120-LX8 (P/N: 10J00312001X0))**
  AMD Geode™ LX800 Processor Supports Fanless System with Mini-PCI Expansion

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