NISE 3110-R

Main Features

- Support Intel® Core 2 Duo / Core Duo/ Celeron® M processors
- Intel® 945GME Chipsets
- Dual 1000/100/10Mbps LAN ports
- 5 x USB2.0/ VGA
- 3 x RS232 and 1 x RS232/422/485 via DB44 Connector
- On-board DC to DC power design to support +12V to 30VDC power input
- Support ATX power mode and PXE / WOL
- Support RAID O/I

Product Overview

Featuring Intel 945GME & ICH7-M DH chipsets, the NISE 3110-R fan-less computer supports Intel's Core 2 Duo /Celeron M processor with 533/667 MHz FSB and DDR2 667/533 memory. The rugged NISE 3110-R fan-less computer is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. For added flexibility, the NISE 3110-R also boasts three RS232 ports, one RS232/422/485 port and five USB ports.

For data storage, the NISE 3110-R provides one CompactFlash socket and two 2.5" HDD drive bay. The System supports ATX mode power feature and can accept a wide range of power supplies from 12 V DC to 30 V DC.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the NISE 3110-R is designed for reliable, maintenance-free industrial computing. The NISE 3110-R fan-less computer offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, and POS systems.

Specifications

Main Board

- EBC 576FL
- Support Intel® Core 2 Duo, Core Duo, Celeron® M family processors
- Support 533/667 MHz FSB CPU
- Intel® Embedded Processor Reference List (Intel® Longevity CPU):
  Core Duo Processor (T2500) 2.0G
  Celeron® M 530 1.73G
  Celeron® M 440 1.86G

Chipset

- Intel® 945GME Graphics Memory Controller Hub (GMCH)
- Intel® 82801 ICH7-M DH

Main Memory

- 2 x 240-pin DDR2 533/667 DIMM sockets, up to 4 GB, dual channel unbuffered non-ECC
  Note: Maximum 4GB. Actual memory size is dynamic based on the OS I/O resource allocation.
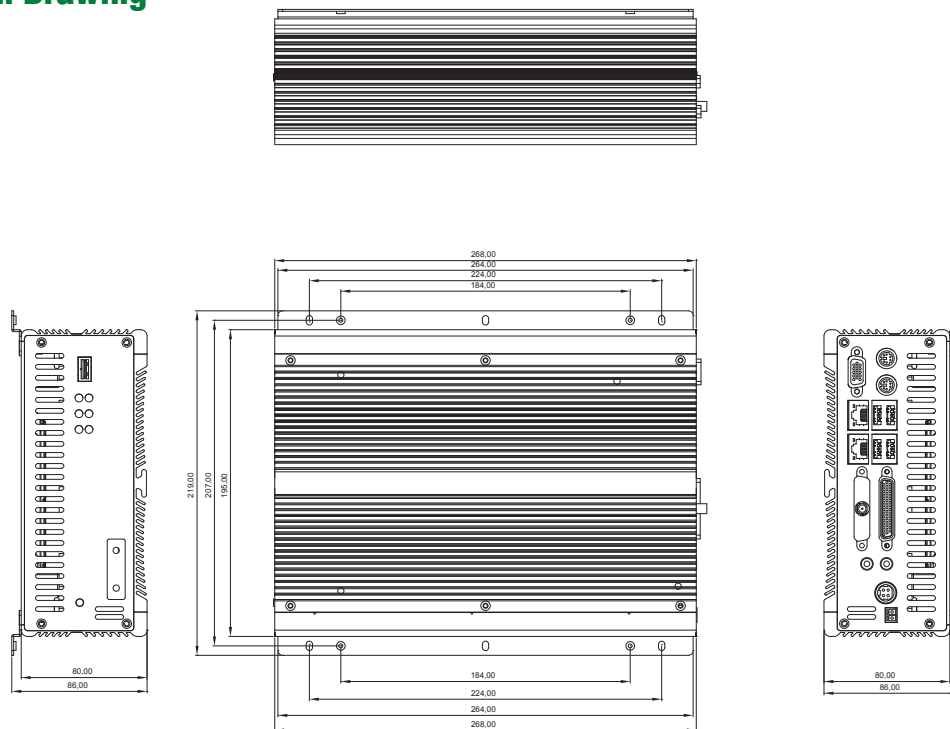
I/O Interface-Front

- Customized logo(Optional)
- HDD Access/Power/LAN status LEDs
- 1 x USB 2.0 ports
- ATX power on/off switch

I/O Interface-Rear

- 2 x PS/2 Keyboard/Mouse
- 1 x VGA connector
- 4 x USB 2.0 ports
- 2 x GbE LAN Ports
- 4 x Serial Ports, with 1x DB44 connector (Three ports support RS232; One port supports RS232/422/485)
- 1 x Antenna hole for optional USB-WiFi module
- 1 x Mic-in and 1 x Speaker-out
- 1 x 2-pin connector output for remote power on/off switch
- DC-in power connector for +12V ~+30V DC power input

Dimension Drawing

Device

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

Power Input

- DC to DC power on-board to support 12 to 30 VDC (Max: 120 Watts)
- 1 x External 120 W AC adapter (lockable)
  Power input: 100 to 240 V AC 2 A 50/60 Hz
  Power output: 19 VDC

Dimensions

- 195 mm (W) x 268 mm (D) x 80 mm (H) (7.6" x 10.5" x 3.1")

Construction

- Aluminum chassis with fan-less design

Environment

- Operating temperature:
  Ambient with air flow: 0°C ~ 35°C
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (Non-Condensing)

Ordering Information

- **Barebone**
  NISE 3110-R (P/N: TBC) RoHS Compliant
  Intel® Core 2 Duo, Core Duo, Celeron® M Fan-less Bare-Bone System, Support RAIO O/I