



## Main Features

- Support Intel® Pentium® M/ Celeron® M Processors
- Intel® 910GML chipsets
- Dual 10/100/1000 LAN Ports
- USB2.0/VGA/DVI Interface
- 3x RS232 and 1x RS232/422/485 via DB44 Connector
- On-board DC to DC Power Designed to Support +16 - 30V DC power input
- Supports ATX Power Mode and PXE/ WoL
- Two PCI Expansion Slot

## Product Overview

NISE 3100eP2 features with two PCI peripherals expansion in a compact size of fanless system with easy installation. The NISE 3100eP2 has dual 10/100/1000 ports to communicate between multiple network connections. A wide range of supported CPUs in NISE 3100eP2 provides ample computing power to control connected peripherals.

Featuring Intel® 910GML and ICH6M chipsets, the NISE 3100eP2 fanless computer supports Intel's Pentium® M/ Celeron® M processor with 400 MHz FSB and DDR2 400 memory up to 2 GB. The rugged NISE 3100eP2 fanless computer is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. The added expansion feature is perfect to configure NISE 3100eP2 in industrial automation, machine automation environment, and more.

## Specifications

### Main Board

- NISB3100
- Support Intel® Pentium® M/ Celeron® M processors
- Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M
- Supports 400 MHz FSB CPUs only
- Intel® 910GML and ICH6M chipsets

### Main Memory

- 2 x 240-pin DDR2 DIMM socket, up to 2GB un-buffered non-ECC DDR2 400 SDRAM module

### Expansion

- Supports two 32-bit/33 MHz PCI card (10W max./ per slot)
- PCI card:
  - Max. 169mm in length with HDD installed
  - Max. 240mm in length x2 with HDD installed

### I/O Interface-Front

- Optional customized logo
- HDD Access/Power/LAN status LEDs

- 2 x USB2.0 ports
- ATX Power on/off switch

### I/O Interface-Rear

- 1 x PS/2 Keyboard/ Mouse
- 4 x USB2.0 ports/ 4x Serial port
- 1 x Audio Mic-in and 1x Speaker-out
- 1 x DVI-D interface
- 2 x 10/100/1000 LAN
- 1 x DB15 VGA connector
- 16 ~ 30V DC power input
- 1 x 2-pin connector output for remote power on/off switch

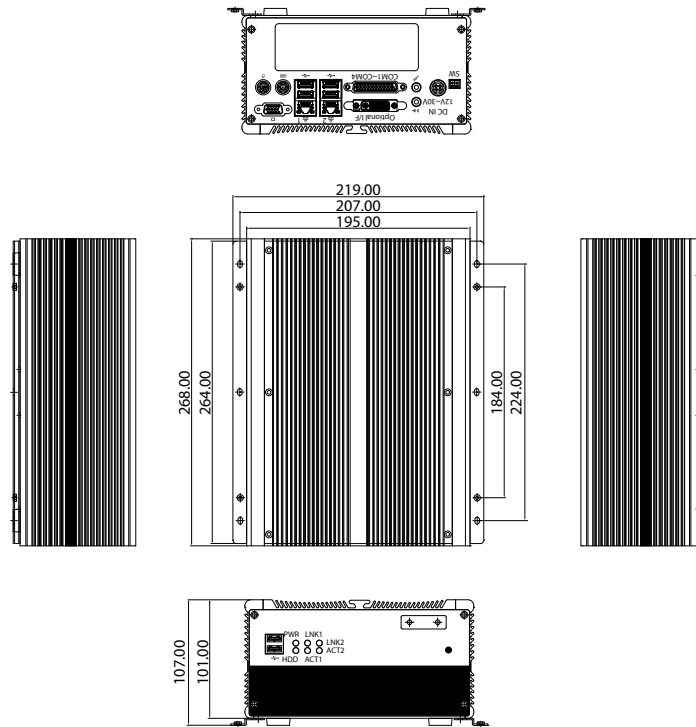
### Device

- 1 x On-board Internal Compact Flash socket
- 1 x Internal 2.5" SATA HDD driver bay

### Power Requirements

- DC to DC power designed on-board, support from 16V to 30V DC input (Max: 120 Watts)

## Dimension Drawing



- 1 x Optional 120W AC/DC lockable adapter
  - Power input: 100 to 240V AC 2 A 50/60 Hz
  - Power output: 19V DC

### Dimensions

- 195mm (W) x 268mm (D) x 101mm (H) (7.7" x 10.5" x 3.98")

### Construction

- Aluminum chassis with fanless design

### Environment

- Operating temperature:
  - Ambient with air flow: -5°C ~ 55°C
  - (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (Non-Condensing)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection
  - Random: 0.5Grms @5~500 Hz according to IEC68-2-64
  - Sinusoidal: 0.5Grms @5~500 Hz according to IEC68-2-6

### Certifications

- CE approval
- FCC Class A

## Ordering Information

### Barebone

- **NISE 3100eP2 (P/N: 10J3100P209X0)**
  - Support Intel® Pentium® M/Celeron® M Fanless Bare-Bone System 2 x PCI Expansion
- **19V, 120W AC/DC power adapter w/o power cord (P/N: 7410120002X00)**