NISE 3100P2

Intel® Pentium® M/ Celeron® M Fan-less System with 2 x PCI Expansion Slots

Main Features

- Supports Intel® Pentium® M/Celeron® M Processors with 400 MHz FSB
- Intel® 852GM Chipset
- Dual 10/100 Ethernet LAN Ports
- 3 x RS232 and 1 x RS232/422/485 via DB44 Connector

- On-board DC to DC Power Designed to Support +12 to +30 VDC Power Input
- Two PCI Expansion

Product Overview

The new NISE 3100P2 has a re-designed aluminum chassis to accommodate two PCI peripherals expansion with ease. The NISE 3100P2 has dual Ethernet ports to communicate between multiple network connections. And wide ranges of supported CPUs in NISE 3100P2 provide ample computing power to control connected peripherals.

Featuring Intel® 852GM & ICH4 chipsets, the NISE 3100P2 fan-less computer supports Intel's Pentium® M/Celeron® M processor with 400 MHz FSB and DDR 200/266 memory up to 2 GB. The rugged NISE 3100P2 fan-less 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 3100P2 in industrial automation, machine automation environment, and more.

Specifications

Main Board
- EBC 573FL(LF)
- Support Intel® Pentium® M processors in 478-pin, Micro-FCPGA package from 1.6 to 1.8 GHz with 1 MB or 2 MB L2 cache
- Support Intel® Celeron® M processors in 478-pin, Micro-FCPGA package from 1.3 to 1.5 GHz with 512 KB or 1 MB L2 cache
- Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M processors in 479-ball, Micro-FCBGA package
- Supports 400 MHz FSB CPUs only
- Intel® 852GM and ICH4 chipset

Main Memory
- 2 x 184-pin DDR 200/266 DIMM sockets, up to 2 GB unbuffered non-ECC DDR SDRAM

Expansion
- Supports 2 x 32-bit/33 MHz PCI Card
- PCI Length support:
  Max. 160mm x 1 and 240mm x 1 with HDD installed
  Max. 240mm x 2 without HDD installed
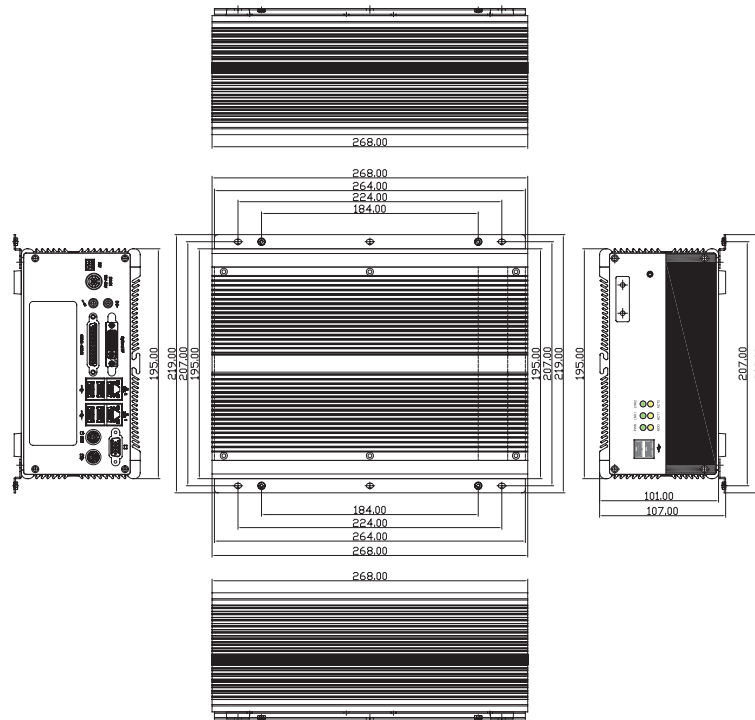
I/O Interface-Front
- Optional customized logo
- HDD Access/Power/LAN status LEDs
- 2 x USB 2.0 ports
- ATX Power on/off switch

I/O Interface-Rear
- 1 x PS/2 Keyboard/Mouse
- 4 x USB 2.0 ports
- 4 x Serial ports
- 1 x Audio Mic-in and 1x Speaker-out
- 1 x DVI interface
- 2 x10/100 Ethernet LAN
- 1 x VGA connector
- 1 x S-Video TV-Out
- 1 x DC power input
- 1 x 2-pin connector output for remote power on/off switch

Dimension Drawing

Device

- 1 x on-board CompactFlash socket
- 1 x internal 2.5" IDE HDD drive bay

Power Requirements

- DC to DC power designed for on-board support of 12 to 30 VDC (Max: 120 Watts)
- 1 xExternal 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 107 mm (H) (7.6" x 10.5" x 3.1")

Construction

- Aluminum chassis with fan-less 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)

Certifications

- CE approval
- FCC

Ordering Information

- **Barebone**
  NISE 3100P2 (P/N: 10J3100P201X0)
  Support Intel® Pentium® M/Celeron® M Fan-less Bare-Bone System
  2 x PCI Expansion