NISE 4010P2

Main Features

- Support 3rd generation Intel® Core™ i3/i5 rPGA socket type processor
- Intel® QM77 PCH
- 2 x USB 3.0 & 2 x USB 2.0
- 2 x Intel® GbE LAN Ports
- 1 x DVI-I & 1 x VGA

- 2 x 2.5KV isolated RS232/422/485
- Two PCI expansions
- Two Mini-PCIe sockets
- Support +24VDC power input
- Support ATX power mode, WoL and PXE function

Product Overview

Integrated with Intel® 3rd generation Core™ i3/i5 process, NISE 401P2 offers excellent computing performance. The QM77 PCH provides original USB 3.0, which ensures the high throughput and is suitable for the high bandwidth devices, such as industrial cameras. The two Intel® GbE LAN ports provide high communication bandwidth and can be used to access GbE camera for surveillance and industrial automation projects. NISE 4010P2 features two PCI expansion slots and two Mini-PCIe sockets are available, providing the expansion for Fieldbus interface. All built-in I/O connectors of NISE 4010P2 locate at the front panel. It makes the wiring and maintenance easier for typical installation style for factory automation devices. Alone with well-proven fanless design experience of NEXCOM which ensures the stability, these make NISE 4010P2 well fitting with the factory automation applications.

Specifications

CPU Support
- Support 3rd generation Intel® Core™ i5/i3 rPGA socket type processor
  - Core™ i5-3610ME, Dual Core, 2.7GHz, 3M Cache
  - Core™ i3-3120ME, Dual Core, 2.4GHz, 3M Cache
  - Support Three Independent Display with above processors
- Intel® QM77 PCH chipset

Main Memory
- 2 x DDR3/DDR3L SO-DIMM sockets, support dual channel up to 8GB, DDR3 1333 SDRAM, un-buffered and non-ECC

Display Option
- Dual independent display
  - VGA
  - DVI-D
- Three independent display
  - VGA
  - VGA (output via optional Y-cable)
  - DVI-D (output via optional Y-cable)

I/O Interface
- ATX power on/off switch
- Power status LED
- HDD access LED
- RF access LED
- COM ports access LEDs
- 2 x USB 2.0 ports & 2 x USB 3.0 ports
- 2 x 2.5KV isolated RS232/422/485 terminal connector
- 1 x VGA output & 1 x DVI-I output
- 2 x Intel® GbE LAN ports (both with Intel® WG82574L)
- 1 x PS/2 connector for keyboard and mouse
- 2-pin remote power on/off switch
- 2 x Optional I/O knockout for additional functions

Storage Device
- 2 x Internal 2.5" HDD bay

Expansion Slot
- 2 x Mini-PCIe socket for optional Wi-Fi/GSM/Automation modules
- 2 x PCI expansion (10W max. per slot)
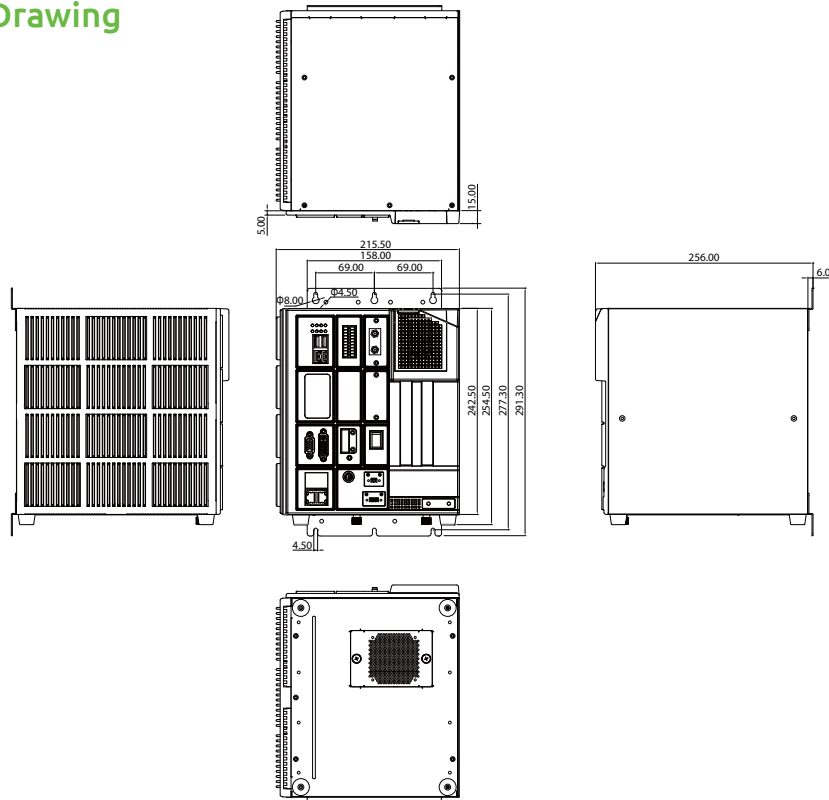- Add-on card length: 220mm max.

Power Requirements
- Typical DC input: 24VDC (Range: 21.6V ~ 26.4V)

Dimensions
- 216mm (W) x 250mm (D) x 255mm (H) without wall mount bracket

Dimension Drawing

Environment

- Operating temperature:
  Ambient with air flow: 0°C to 55°C
  (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27 with HDD
- Vibration protection
  Random: 0.5Grms @ 5 ~ 500Hz according to IEC60068-2-64
  Sinusoidal: 0.5 Grms @ 5 ~ 500Hz according to IEC60068-2-6

Certifications

- CE/FCC Class A

OS Support Lists

- Windows XP 32bits and 64bits
- Windows 7 32bits and 64bits
- Windows 8.1 32bits and 64bits

Ordering Information

- **NISE 4010P2 (P/N: 10J00401000X0)**
  3rd Generation Intel® Core™ i5/i3 rPGA Fanless System with two PCI expansions

- **24V, 120W AC/DC power adapter w/ o power cord**
  (P/N: 7400120012X00)