

Main Features

- Support Intel® Core™ 2 Duo / Celeron® processor
- Intel® GM45 chipsets
- Dual Intel® 82574L Gigabit Ethernet ports
- Dual DVI-D independent display
- 5 x RS232 and 1 x RS232/422/485 with Auto Direction Control
- On external locked CFast socket (SATA Interface)
- On-board DC to DC power design to support 16V to 30V DC power input
- Support ATX power mode and PXE / WoL / LAN Teaming

Product Overview

NISE 3142 fanless computer supports Intel® Core™ 2 Duo and Celeron® socket type processor. Upgraded with two DVI-D and CFast SATA interfaces, NISE 3142 transfers data faster than its predecessor NISE 3140 and can present high-definition images simultaneously in dual large independent displays. The feature makes NISE 3142 apt for eSOP.

Along with fanless design, it can adapt to filthy environments rife with greasy dusts. In addition, NISE 3142 with multiple I/O options is a future proof solution, which is ideal for applications within industrial automation, factory automation, automatic optical inspection, ATMs, public infotainment, in-vehicle signage, and surveillance as well as data acquisition.

Specifications

Main Board

- NISB3142
- Support Intel® Core™ 2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066MHz FSB)
- Support Intel® Celeron® Processor 575 (1M Cache, 2.0GHz, 667MHz FSB)

Main Memory

- 2x 240-pin DIMM, up to 4GB DDR3 800/1066 MHz SDRAM, unbuffered and non-ECC

Chipset

- Intel® GM45 Graphics and Memory Controller Hub
- Featuring the Mobile Intel® Graphics Media Accelerator 4500MHD
- Intel® 82801IBM I/O Controller Hub

I/O Interface-Front

- ATX power on/off switch
- HDD Access/Power status LEDs
- 1 x Front Access CFAST Card Socket (SATA interface)
- 2 x USB2.0 ports

I/O Interface-Rear

- 2-pin Remote Power on/off switch
- 2-pin System signal
- 16 ~ 30V DC input
- 1 x PS/2 for Keyboard/Mouse
- 2 x DB9 Serial Port, RS232
- 1 x DB44 Serial Port for 4x RS232 (COM2: RS232/422/485 with Auto Flow Control)
- 2 x GbE LAN ports
- 4 x USB2.0 ports
- 2 x DVI-D Port
- 1 x Speaker-out and Line-in

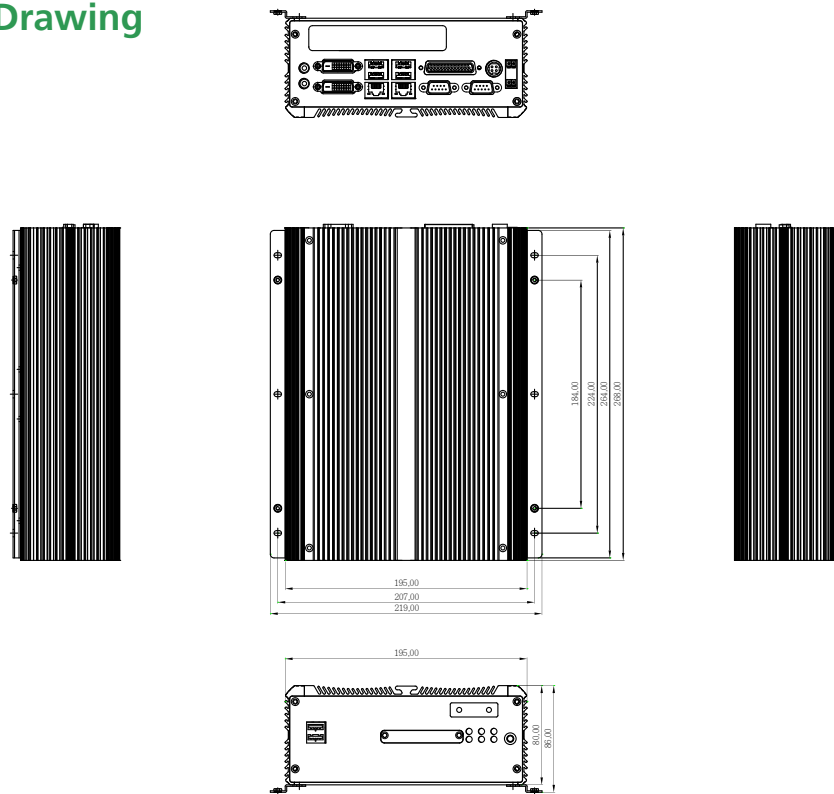
Storage

- 1 x 2.5" SATA HDD drive bay
- One external locked CFAST card socket (SATA Interface)

Expansion Slot

- One PCI expansion (NISE3140 only)
- One PCIe x1 expansion (NISE3140E only)
- Max. Support Add-on Card Length: 169mm

Dimension Drawing



Power Input

- ATX power mode
- On-board DC to DC power support from 16V to 30VDC
- Optional Power Adapter

Dimensions

- 195mm (W) x 268 mm (D) x 80mm (H) (7.7" 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 Class A

Ordering Information

Barebone

- **NISE 3142 (P/N: 10J00314200X0) RoHS Compliant**
Intel® Core™ 2 Duo / Celeron® PoE Fan-less Bare-Bone system with one PCI Expansion
- **19V, 120W AC/DC power adapter w/o power cord (P/N: 7410120002X00)**