

NISE 3140/ 3140E

Intel® Core™ 2 Duo Fan-less System
with 1 x PCI/PCIe x 1 Expansion Slots



Main Features

- ♦ Support Intel® Core™ 2 Duo / Celeron® processor
- ♦ Intel® GM45 chipsets
- ♦ Dual Intel® 82574L Gigabit Ethernet ports
- ♦ Dual VGA or VGA/DVI Independent Display
- ♦ 3 x RS232 and 1 x RS232/422/485 with Auto Direction Control
- ♦ On external locked CF socket
- ♦ Optional dual IEEE1394b ports
- ♦ On-board DC to DC power design to support 16V to 30V DC power input
- ♦ Support ATX power mode and PXE / WOL

Specifications

Main Board

- ♦ NISB 3140
- ♦ Support Intel® Core™ 2 Duo Processor P8600 (3M Cache, 2.40 GHz, 1066 MHz FSB)
- ♦ Support Intel® Core™ 2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB)
- ♦ Support Intel® Celeron® Processor 575 (1M Cache, 2.00 GHz, 667 MHz FSB)

Main Memory

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

Chipset

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

I/O Interface-Front

- ♦ ATX power on/off switch
- ♦ HDD Access/Power status LEDs
- ♦ 2 x USB2.0 ports
- ♦ Optional dual IEEE1394b ports

I/O Interface-Rear

- ♦ 2-pin Remote Power on/off switch
- ♦ 16 ~ 30V DC input
- ♦ 1 x PS/2 for Keyboard/Mouse
- ♦ 1 x DB25 Parallel Port (Optional GPIO or LVDS interface)
- ♦ 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
- ♦ 1 x DB15 VGA port
- ♦ 1 x DVI-I Port (DVI-D + VGA)
- ♦ 1 x Speaker-out and Line-in

Device

- ♦ 1 x 2.5" SATA HDD drive bay
- ♦ One external locked CF card socket

Expansion

- ♦ One PCI expansion (NISE 3140 only)
- ♦ One PCIe x1 expansion (NISE 3140E only)
- ♦ Max. Support Add-on Card Length: 169mm

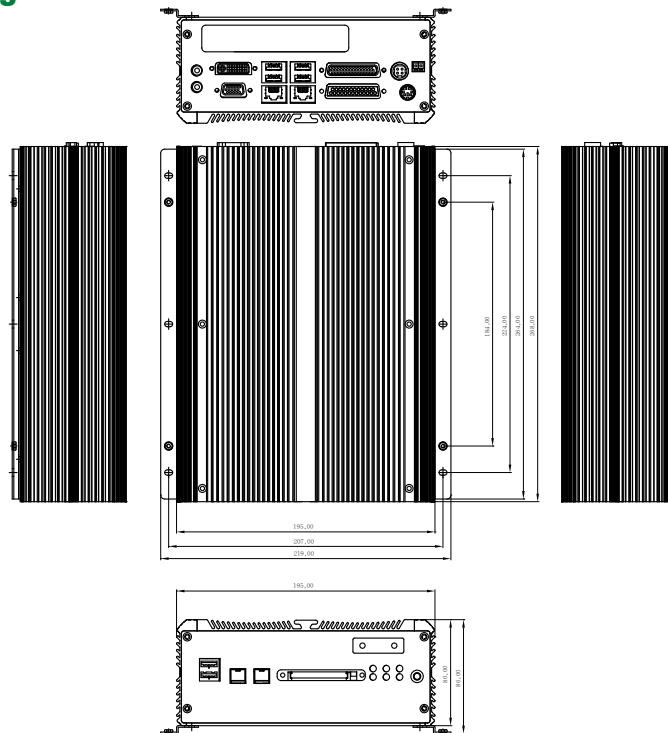
Power Requirements

- ♦ 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) (7.6" x 10.5" x 3.1")

Dimension Drawing



Construction

- Aluminum Chassis with fan-less design

Environment

- Operating temperature:
Ambient with air flow: $-5^{\circ}\text{C} \sim 55^{\circ}\text{C}$
(According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: $-20^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Relative humidity: 10% to 93% (Non-Condensing)

Certifications

- CE approval
- FCC

Ordering Information

- **Barebone**
NISE 3140 (P/N: 10J00314000X0) RoHS Compliant
Intel® Core™ 2 Duo / Celeron® Fan-less Bare-Bone system with one PCI Expansion
- **Barebone**
NISE 3140E (P/N: 10J00314001X0)RoHS Compliant
Intel® Core™ 2 Duo / Celeron® Fan-less Bare-Bone system with one PCIe x1 Expansion