NISE 1010

Intel® Pentium® M/ Celeron® M Fan-less Box for AFC Automatic Gate Contorller w/ 3 x VGA and PCI Slot

Main Features

- **Support Intel® Pentium® M/Celeron® M Processor**
- **Intel® 910GMLE Chipsets**
- **One 1000/100/10Mbps LAN port**
- **4 x USB2.0/VGA/LVDS/Audio**
- **2 x RS232/422/485 and 4 x RS232 via 1 x DB44 connector**
- **3 x VGA for dual independent display**
- **On-board DC to DC power design to support 24V DC power input**
- **Support ATX power mode and PXE**
- **One PCI Expansion**

Product Overview

NISE 1000 series are designed for, but not limit to, multi-function system with various connections in automatic fare collection applications requiring scalable computing capability, fan-less operating, lower power use, extreme reliable and rugged system, flexible I/O configuration with long product life support. The NISE 1010 system mainly focuses on ticketing office application which will have communication with passengers with two VGA independent displays in 3x VGA output.

Featuring Intel® Celeron® M/Pentium® M processor with protected housing, the NISE 1010 comes with multiple I/O support featuring dual independent display, either in LVDS and VGA or VGA and 2nd VGA, 1x Gbe LAN, 4x USB and audio interface. From expansion wise, there are one PCI expansion, one CF socket, one 2.5" SATA HDD space and 1G DDR2 memory DIMM.

With rich and multiple interfaces, the NISE 1010 is widely used in the application of PIDS (Passenger Information and Direction system), AFC (Automatic Fare Collection) and BOM (Booking Office Machine).

Specifications

CPU Support

- Support Intel® Pentium® M/ Celeron® M processors
- 400 MHZ FSB support

Chipset

- Intel® 910GMLE + Intel® ICH6M

Main Memory

- 1 x 240 pin DIMM socket, support up tp 1 GB unbuffered non-ECC, non-registered DDR2 SDRAM

Graphic

- Display interface
  CRT: External DB15 CRT interface
  LVDS: DB44 pin connector for Dual pixels LVDS interface
- Dual Display
  Independent: Different images and native display timings on each display
  Simultaneous: Same images and native display timings on each display

Expansion

- 1 x PCI slot

Storage

- 1 x Internal Compact Flash socket
- 1 x Internal 2.5" HDD drive bay
- 1 x NVRAM socket

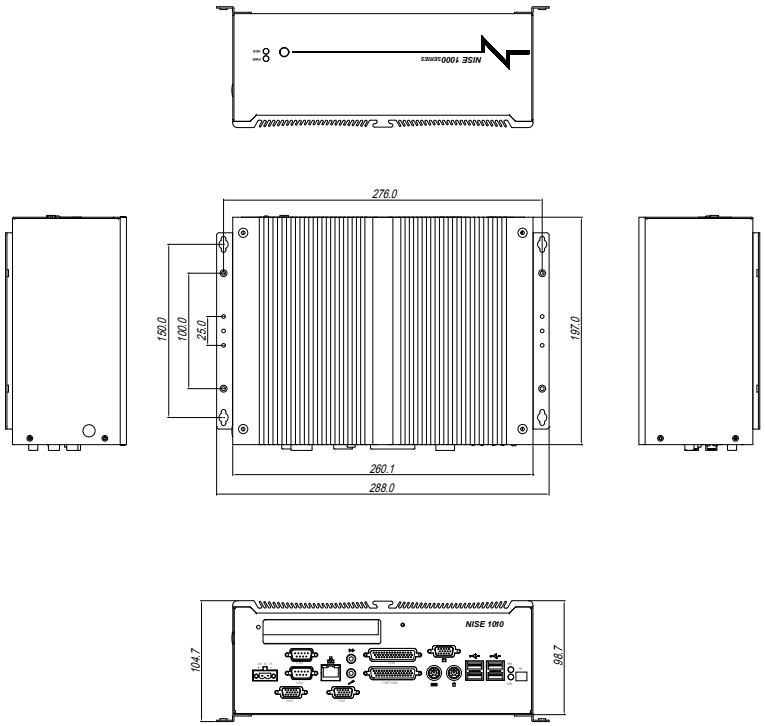
I/O Interface-Front

- 1 x HDD status LED (Yellow); 1 x Power LED (Green)
- 1 x Power on/off switch

I/O Interface-Rear

- 1 x HDD status LED (Yellow) ; 1 x Power status LED (Green)
- +24V DC-in Power input connector, 2-pin terminal screw
- 1 x DB44 connector for 4 serial ports (COM3~COM6, support RS-232 only)
- 2 x DB9 connectors for 2 serial ports (COM1&2 , support RS-232/422/485)
- 1 x DB44 connector for LVDS
- 1 x RJ45 10/100/1000 Ethernet LAN port

Dimension Drawing



- 4 x USB2.0
- 3 x VGA DB-15 connector (2 x VGA2 display the same content)
- 2 x PS/2 connectors (one for K/B, one for M/S)
- 1 x MIC-In; 1 x Line-Out
- 1 x knockout for PCI add-on card
- 1 x 2-pin connector output for remote power on/off switch

Power Requirements

- Power type: ATX mode DC Input
- Input voltage range: 24VDC
- Optional 24V, 100W power adapter

Verified OS

- Windows XP
- Windows XPe
- WinCE 6.0 BSP
- Linux-Fedora Core 6 & Core 9

Dimensions

- 260 mm (W) x 197 mm (D) x 98.7 mm (H) (10.2" x 7.8" x 3.9")

Construction

- Aluminum Chassis with fan-less design

Environment

- Operating temperature: Ambient with air flow
  -5°C to 45°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 1010 (P/N: 10J00101000X0)
  Intel® Pentium® M/ Celeron® M processors Fan-less Bare-Bone System, with one PCI Expansion Slot