# **NISE 3100e**





## **Main Features**

- Support Intel® Pentium® M/ Celeron® M Processors
- Intel® 910GMLE chipsets
- Dual 10/100/1000 LAN Ports
- USB2.0/VGA/DVI Interface
- 3x RS232 and 1x RS232/422/485 via DB44 Connector
- On-board DC to DC Power Designed to Support +16 30V DC power input
- Supports ATX Power Mode and PXE/WOL
- One PCI Expansion Slot

# **Product Overview**

Featuring Intel® 910GMLE & ICH6M chipsets, the NISE 3100e fanless computer supports Intel's Pentium® M/ Celeron® M processor with 400 MHz FSB and DDR2 400 memory up to 2 GB. The rugged NISE 3100e fanless computer is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. With one PCI Expansion Slot, the versatile NISE 3100e fanless computer offers a wide connection option of I/O ports located at both the front and the rear of the unit. For added flexibility, the NISE 3100e also boasts three RS232 ports, one RS232/422/485 port and one PCI Expansion Slot. For data storage, the NISE 3100e provides one CompactFlash socket and one 2.5 " HDD drive bay. The system supports ATX power supply and can accept a wide range of power supplies from 16 to 30 VDC.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the NISE 3100e is designed for reliable, maintenance-free industrial computing. The NISE 3100e fanless computer offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, self-service and POS systems.

# **Specifications**

#### Main Board

- NISB3100
- Support Intel® Pentium® M/ Celeron® M processors
- Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M
- Supports 400 MHz FSB CPUs only
- Intel® 910GMLE and ICH6M chipsets

#### **Main Memory**

 2 x 240-pin DDR2 DIMM socket, up to 2GB un-buffered non-ECC DDR2 400 SDRAM module

### Expansion

- Supports one 32-bit/33 MHz PCI card (10W max./ per slot)
- PCI card: Max. 169mm in length with HDD installed

#### I/O Interface-Front

- Optional customized logo
- HDD Access/Power/LAN status LEDs
- 2 x USB2.0 ports
- ATX Power on/off switch

#### I/O Interface-Rear

- 1 x PS/2 Keyboard/ Mouse
- 4 x USB2.0 ports/ 4x Serial port
- 1 x Audio Mic-in and 1x Speaker-out
- 1 x DVI-D interface
- 2 x 10/100/1000 LAN
- 1 x DB15 VGA connector
- 16 ~ 30V DC power input
- 1 x 2-pin connector output for remote power on/off switch

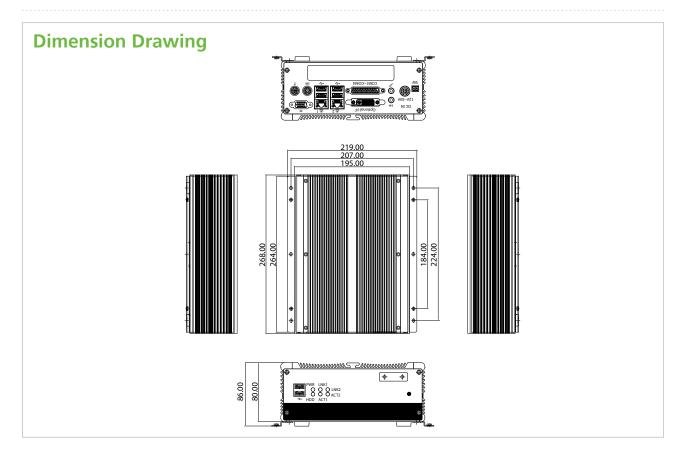
#### Device

- 1 x On-board Internal Compact Flash socket
- 1 x Internal 2.5" SATA HDD driver bay

### **Power Requirements**

- DC to DC power designed on board, support from 16V to 30V DC input (Max: 120 Watts)
- 1 x Optional 120 W AC adapter (lockable)
  - Power input: 100 to 240V AC 2 A 50/60 Hz
  - Power output: 19V DC





#### **Dimensions**

• 195mm (W) x 268mm (D) x 80mm (H) (7.7" x 10.5" x 3.1")

#### Construction

• Aluminum chassis with fanless 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)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection

Random: 0.5Grms @5~500 Hz according to IEC68-2-64 Sinusoidal: 0.5Grms @5~500 Hz according to IEC68-2-6

# Certifications

- CE approval
- FCC Class A

# **Ordering Information**

#### **Barebone**

- NISE 3100e (P/N: 10J00310027X0) Intel® Pentium® M/ Celeron® M Fanless Bare-Bone System 1 x PCI Expansion Slot
- 19V, 120W AC/DC power adapter w/o power cord (P/N: 7410120002X00)