



Main Features

- On-board Intel® Atom™ E620 0.6GHz processor
- On-board DDR2 512MB memory chip
- 2x Intel GbE LANs
- 3x USB2.0 / 1x VGA / 3x Serial Ports / 1x CAN bus
- 8CH GPI and 8CH GPO
- Support 1x 2.5" HDD Drive Bay
- Support 12V or 24V DC input

Product Overview

Equipped with Intel® Atom™ E620 0.6GHz processor and Intel® Platform Controller Hub EG20T, the NISE 90 fanless computer features low power consumption of only 15W and an abundance of I/O options to meet the requirements of factory and industrial automation control.

Harsh environment applications often require extended operating temperature support. Featuring fanless design, the NISE 90 is able to offer optimum reliability and performance. In addition, the NISE 90 is equipped with an abundance of I/O interfaces, such as GPIO, CAN BUS, 3 COM ports, two Intel GbE LAN and DC Input (either 12V or 24V DC) that provide flexibility for various application designs.

Specifications

Main Board

- On-board Intel® Atom™ Tunnel Creek E620 0.6GHz processor, 512K Cache
- On-board Chipset: Intel® EG20T

Main Memory

- On-board DDR2 512MB memory chip, unbuffered and non-ECC support

Storage Device

- 1x 2.5" SATA HDD drive bay for optional SSD or HDD
- Support optional SATA DOM, Horizontal type only

I/O Interface-Front

- 3x USB ports
- 2x RJ45 GbE LAN ports, Intel 82574L controller on board
Support LAN teaming function
- 3x DB9 Serial ports
COM1: Support RS232/422/485 (Selected on BIOS menu)
COM2: Support RS232 only
COM3: Support RS232 only

- 1x DB9 CAN Bus
· Support CAN 2.0b protocol (support both 11-bit and 26-bit identifiers)
· Support bit rates up to 1Mbps
· Clock frequency of 40MHz

I/O Interface-Bottom

- 1x DB15 VGA port
- 1x DB15 male connector for 8CH General Purpose Input
- 1x DB15 male connector for 8CH General Purpose Output
- 3-pin DC input either for 12V DC input or 24V DC input
- 1x Power on/off switch

System Dimension

- 59mm (W) x 140mm (D) x 167mm (H)

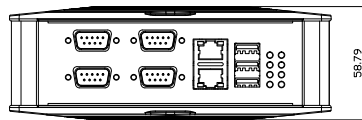
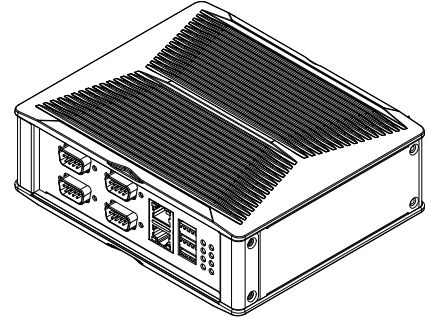
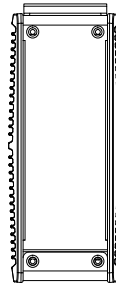
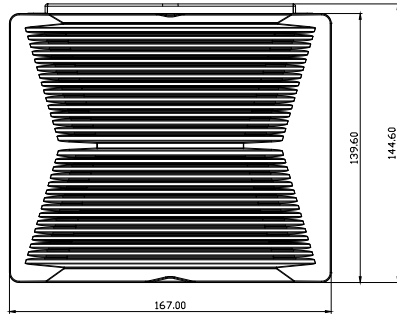
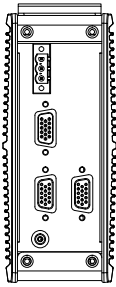
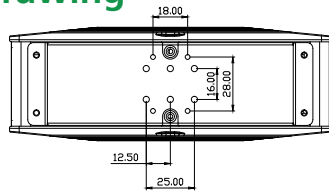
Construction

- Aluminum chassis with fanless design

Environment

- Operating Temperature: -5 ~ 55°C
- Storage Temperature: -20 ~ 80°C
- Relative Humidity: 10% ~ 93% (Non-condensing)

Dimension Drawing



Certifications

- CE
- FCC Class A

Ordering Information

- **NISE90 (P/N: 10J00009000X0)**

DIN rail fanless with Intel® Atom™ E620 0.6GHz processor and DDR2 512MB memory on board