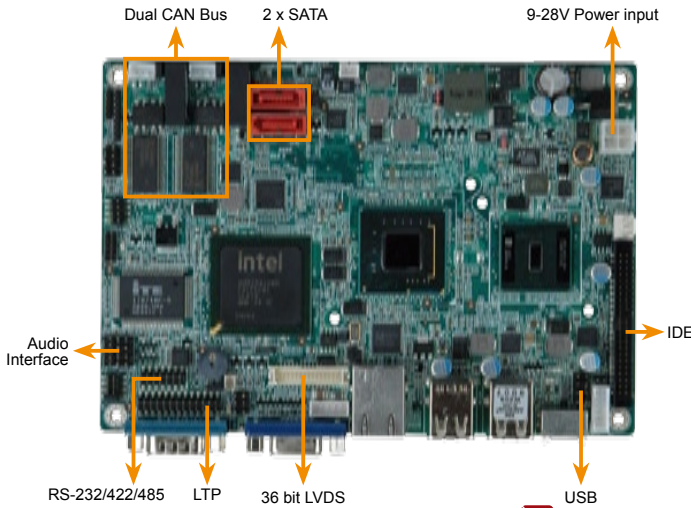
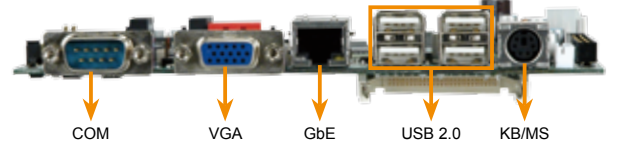
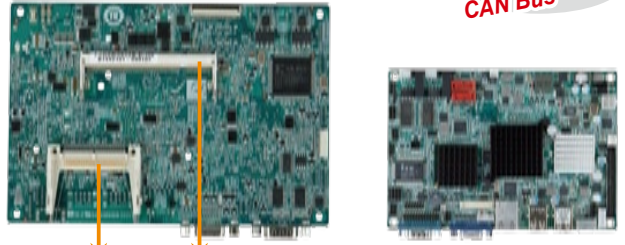


# epic NANO-945GSE3

EPIC SBC with Intel® Atom™ N270 1.6GHz, VGA/LVDS, PCIe GbE, CF type II, SATA, and CAN BUS



### Solder side



## Specifications

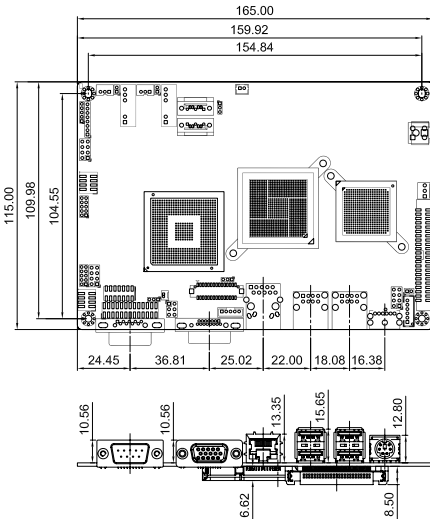
- ◆ CPU  
1.6GHz Intel® Atom™ N270 processor with a 533MHz FSB
- ◆ System Chipset  
Intel® 945GSE+ICH7M
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
One Realtek RTL8111CP PCIe GbE controller
- ◆ Display Output  
Intel® Graphics Media Accelerator 950  
VGA integrated in Intel® 945GSE  
18-bit dual-channel LVDS integrated in Intel® 945GSE
- ◆ I/O Interface
 

1 x RS-232	1 x LPT
1 x IDE	1 x RS-232/422/485
2 x SATA	1 x CF Type II
1 x PS/2 KB/MS	6 x USB2.0
- ◆ Digital I/O  
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Infrared Interface  
1 x Infrared Interface by pin header
- ◆ CAN-bus interface  
2 x CAN-bus interface  
PCI to CAN-bus CPLD: Xilinx XC95288XL-10TQG144C  
CAN-bus controller: Philips SJA1000T  
CAN-bus transceiver: Philips PCA82C251  
Signal Support: CAN\_H, CAN\_L  
Isolated Protection: 2500Vrms on CAN side  
Programmable transfer rate: up to 1Mbps  
Drive support: Windows® XP, Windows® XP Embedded
- ◆ Audio  
Support by audio kit (AC'97 & HD)  
5.1 channel AC'97 audio kit with Realtek ALC655 codec  
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Super I/O  
ITE IT8718F
- ◆ Watchdog Timer  
Software Programmable support 1~255 sec. System reset
- ◆ Power Supply  
AT/ATX support  
Power input: 9-28V Wide Range Voltage Input
- ◆ Power Consumption  
12V@1.49A(Intel® Atom™ N270 with 2GB DDR2)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity  
Operation: 5% ~95% non-condensing
- ◆ Dimensions  
EPIK 165mm x 115mm
- ◆ Weight  
GW:700g / NW:320g

## Features

1. Intel® Atom™ N270 1.6GHz processor CPU for Ultra Low Voltage Fan-less support
2. 9V~28V wide range voltage input
3. Support two COM ports, six USB ports and two SATA ports
4. Support 2xCAN-bus interface
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Dimensions (mm)



## Ordering Information

Part No.	Description
NANO-945GSE3-N270-R10	EPIC SBC with Intel® Atom™ processor supports VGA/LVDS, PCIe GbE, CF type II, SATA, and CAN-bus
32200-000009-RS	44 pin to 44 pin 2.5" IDE Cable
32000-044300-RS	USB cable
32200-026500-RS	RS232/422/485 cable
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655 codec
AC-KIT883HD-R10	7.1 channel HD audio kit with Realtek ALC883 codec support dual audio streams
32200-015100-RS	LPT cable
32000-083701-RS	HDTV out cable
32000-062800-RS	SATA cable
32100-000100-100-RS	SATA power cable
32100-000100-200-RS	SATA power cable
32100-192900-RS	One 4-pin (2x2) to one 4-pin(1x4) DC power cable with terminal block

## Packing List

1 x NANO-945GSE3 Single Board Computer	
1 x SATA with power cable kit (P/N: 32801-000201-100-RS)	
2 x CAN-bus cable (P/N: 32100-212800-RS)	1 x KB/MS cable (P/N: 32000-133200-RS)
1 x Power cable (P/N: 32100-087100-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 Industrial Data Collector and Controller

4 Video Capture Solutions

5 I/O Communication Solutions

6 Panel Solutions

7 ORing Network Communication

8 Power Supply/Peripherals