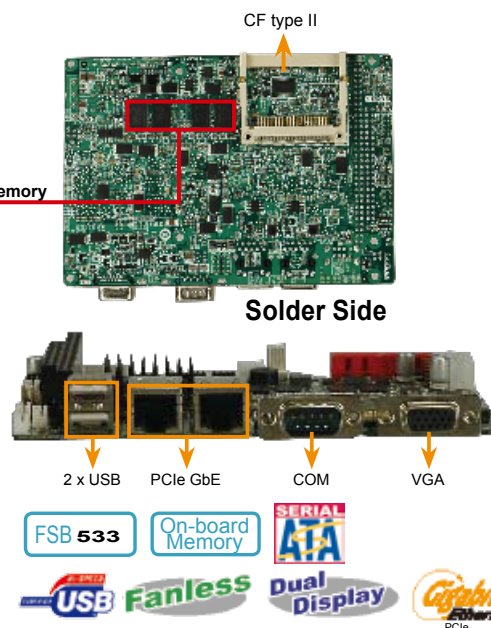
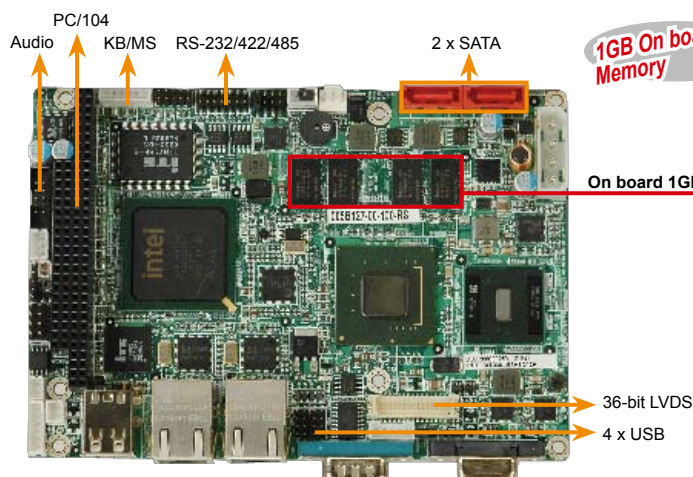


# WAFER-945GSE2

3.5" SBC with Intel® Atom™ N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA, on board 1GB Memory and PC/104



## Specifications

- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset  
Intel® 945GSE  
Intel® 82801GBM / ICH7M
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
On board 1GB DDR2 SDRAM supported
- ◆ Ethernet  
Dual PCIe realtek 8111CP GbE chipsets
- ◆ I/O interface  
6 x USB 2.0                    2 x SATA  
1 x RS-232                    1 x RS-232/422/485  
1 x PS/2 for KB/MS    1 x CF Type II
- ◆ Digital I/O  
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansion  
PC/104 (ISA Bus, not support ISA DMA Mode)
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ Display Interface  
Intel® Graphics media accelerator 950  
VGA integrated in Intel® 945GSE  
18 bit dual-channel LVDS integrated in Intel® 945GSE
- ◆ Watchdog Timer  
Software programmable support 1~255 sec. system reset
- ◆ Power Supply  
5V only, 12V for LCD / System FAN, AT/ATX support
- ◆ Super IO  
ITE IT8718
- ◆ Watchdog Timer  
software programmable 1-255 sec. by super I/O
- ◆ Temperature  
Operation: 0°C ~ 60°C (WAFER-945GSE2-N270-R10)  
Operation: -20°C ~ 70°C (WAFER-945GSE2-N270W-R10)
- ◆ Humidity  
Operation: 5% ~95% non-condensing
- ◆ Power Consumption  
5V@3.1A (Intel® Atom™ N270 1.6G with on board 1GB DDR2)
- ◆ Dimensions  
146 mm x 102 mm
- ◆ Weight  
GW: 700g / NW 230g

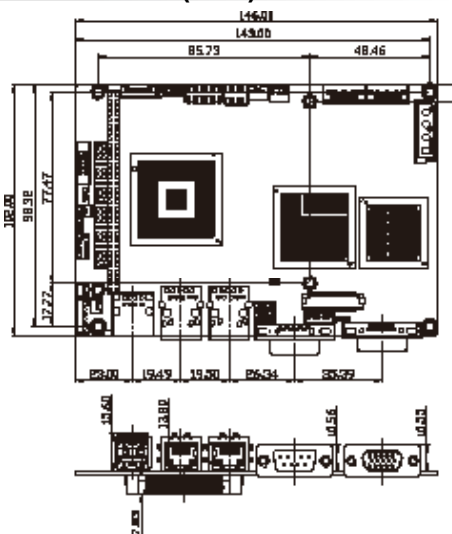
## Packing List

- 1 x WAFER-945GSE2 single board computer
- 2 x SATA cable (P/N: 32000-062800-RS)
- 1 x KB/MS cable (P/N: 32000-023800-RS)
- 1 x Audio cable (P/N: 32000-072100-RS)
- 4 x Plastic intermediate pole for PC/104
- 1 x Mini jumper pack
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)

## Features

1. Intel® Atom™ Processor N270 1.6GHz for ultra low voltage fan-less support
2. Support Dual display for VGA+LVDS
3. On board 1GB DDR2 memory support
4. Support 2 x COM, 6 x USB2.0, 2 x SATA and CF type II socket
5. Support PC/104 ISA expansion slot

## Dimensions (mm)



## Ordering Information

Part No.	Description
WAFER-945GSE2-N270-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA, on board 1GB memory and PC/104
WAFER-945GSE2-N270W-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA, on board 1GB memory and PC/104, -20~70°C
32000-070301-RS	Dual port USB cable
32200-026500-RS	RS-232/422/485 cable
32100-052100-RS	ATX power cable
32100-088600-RS	SATA power cable

1  
Industrial  
Computing  
Solutions

2  
Embedded  
Computing  
Solutions

3  
RISC-Based  
Embedded  
Solutions

4  
Industrial  
Data  
Collector/  
Server  
Solutions

5  
Video  
Capture  
Solutions

6  
I/O  
Communication  
Solutions

7  
Panel  
Solutions

8  
Power Supply/  
Network  
Communication/  
Peripherals