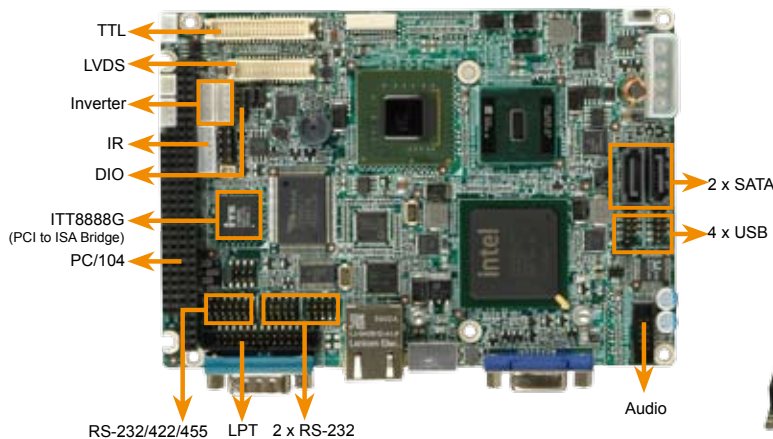
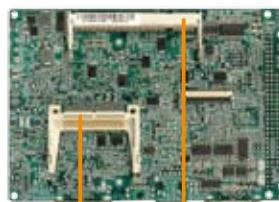


# WAFER-945GSE3

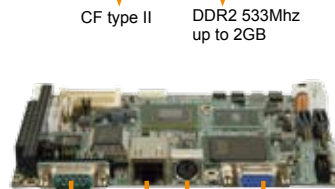
3.5" SBC with Intel® Atom™ Processor N270 1.6G, LVDS/TTL, 4 COM and PC/104



Solder Side



TTL & PC/104 support



Ship with Heatsink  
(Heatsink height 16mm)

FSB 533



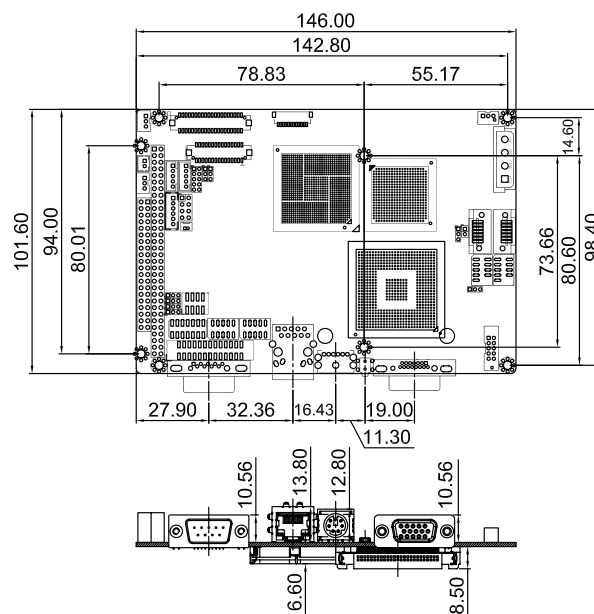
## Features

1. Intel® Atom™ N270 1.6GHz CPU for Ultra Low Voltage fan-less support
2. Support Dual display for VGA+LVDS, VGA+TTL
3. Support 4 x COM, 4 x USB2.0, 2 x SATA and CF Type II socket
4. Support PC/104 ISA expansion slot
5. Low Profile heatsink design
6. Rear I/O same as WAFER-9371A and WAFER-8523

## Specifications

- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset  
Intel® 945GSE  
Intel® 82801GBM/ICH7M
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
One PCIe Realtek 8111CP GbE chipset
- ◆ I/O interface  
4 x USB 2.0 (Same as WAFER-9371A, WAFER-8523)  
2 x SATA  
3 x RS-232 (COM1 with 5V/12V power select by jumper)  
1 x RS-232/422/485 (COM2 with 5V/12V power select by jumper)  
1 x PS/2 for KB/MS  
1 x CF Type II
- ◆ Infrared Interface  
1x Infrared Interface (shared with COM2)
- ◆ 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  
18 bit TTL (LVDS to TTL)
- ◆ Power Supply  
5V only, AT/ATX support, 12V for LCD/System FAN/COM
- ◆ Super IO  
Fintek F81865
- ◆ Watchdog Timer  
Software Programmable support 1~255 sec. System reset
- ◆ Temperature  
operation: 0°C~ 60°C ( 32°F~140°F)
- ◆ Humidity  
operation: 5% ~95 non-condensing
- ◆ Power Consumption  
5V@2.54A (Intel® Atom™ N270 1.6G with 2GB DDR2)
- ◆ Dimensions  
146 mm x 102 mm
- ◆ Weight  
GW: 650g / NW 250g

## Dimensions (mm)



## Packing List

1 x WAFER-945GSE3 single board computer	
2 x SATA cable (P/N: 32000-062800-RS)	
1 x KB/MS cable (P/N: 32000-133200-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	
1 x Dual USB cable (P/N: 32000-073400-RS)	
2 x RS-232 cable (P/N: 32200-000049-RS)	
1 x Mini Jumper Pack	
1 x Utility CD	1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
WAFER-945GSE3-N270-R10	3.5" SBC with Intel® Atom™ N270 1.6G, VGA/LVDS/TTL, GbE, CF, II, USB, SATA, LPT, 4COM and PC/104
32200-026500-RS	RS-232/422/485 Cable
32102-000100-100-RS	SATA Power Cable
32100-000100-200-RS	ATX Power Cable
32100-052100-RS	LPT Cable