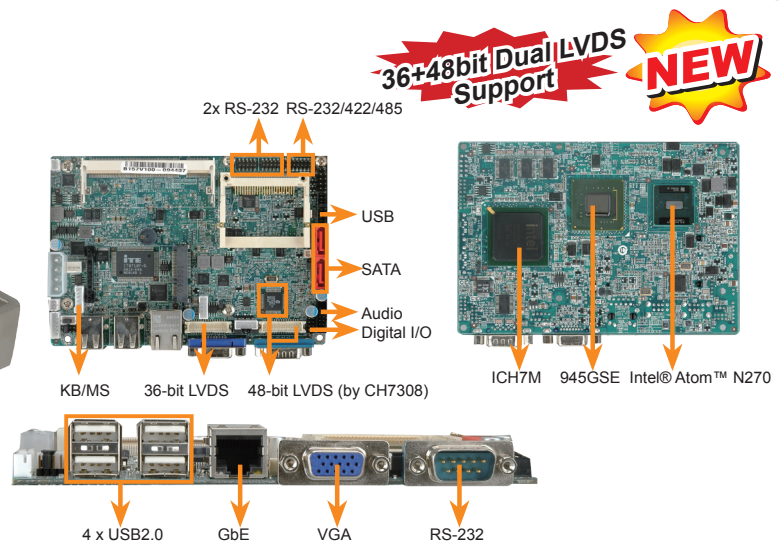
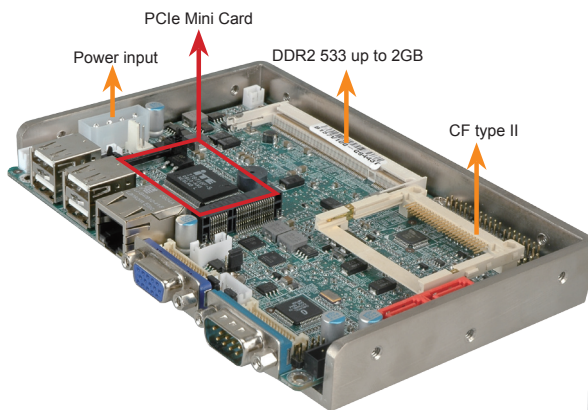


# WAFER-945GSELVDS2

3.5" SBC with Intel® Atom™ Processor, 18 bit+ 24bit dual channel LVDS, 4COM



**36+48bit Dual LVDS Support** **NEW**

## Specifications

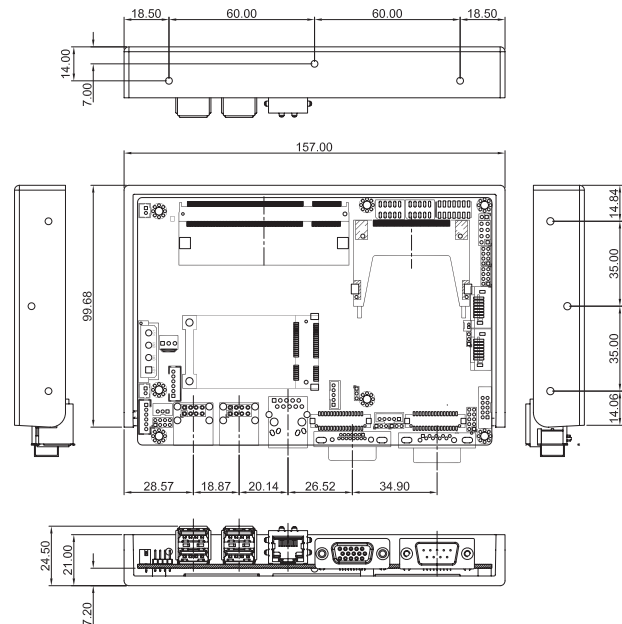
- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
- ◆ System Chipset  
Intel® 945GSE  
Intel® 82801GBM/ICH7M
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
One PCIe Realtek 8111CP GbE chipsets
- ◆ I/O interface  
6 x USB 2.0                      2 x SATA  
3 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  
1x PCI Express Mini Card
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ Display Interface  
Intel® Graphics Media Accelerator 950  
VGA integrated in Intel® 945GSE  
LVDS1:18 bit dual-channel LVDS intergrated in Intel® 945GSE  
LVDS2:18/24 dual-channel LVDS support by Chrontel CH7308
- ◆ Power Supply  
5V only, 12V for LCD/System FAN, AT/ATX support
- ◆ Super IO  
ITE IT8718
- ◆ 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@2.49A (Intel® Atom™ N270 1.6G with 2GB DDR2)
- ◆ Dimensions  
146 mm x 102 mm
- ◆ Weight  
GW: 700g / NW: 350g



## Features

1. Intel® Atom™ N270 1.6GHz CPU for Ultra Low Voltage Fan-less support
2. Single 5V low power design, 12V for LCD
3. Dual LVDS support 36bit + 48bit for dual independence display
4. Support 2 SATA, 4COM, 6x USB, PCIe Mini Card, CF II and Audio

## Dimensions (mm)



## Packing List

1 x WAFER-945GSELVDS2 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)	
1 x Enclosure Heatsink	
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-945GSELVDS2-N270-R10	3.5" SBC with Intel® Atom™ N270 1.6GHz, VGA/18+24 bit dual channel LVDS, GbE,CFII, USB, Audio, SATA
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