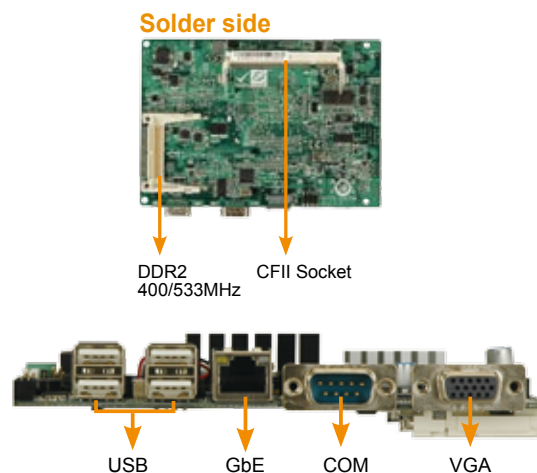
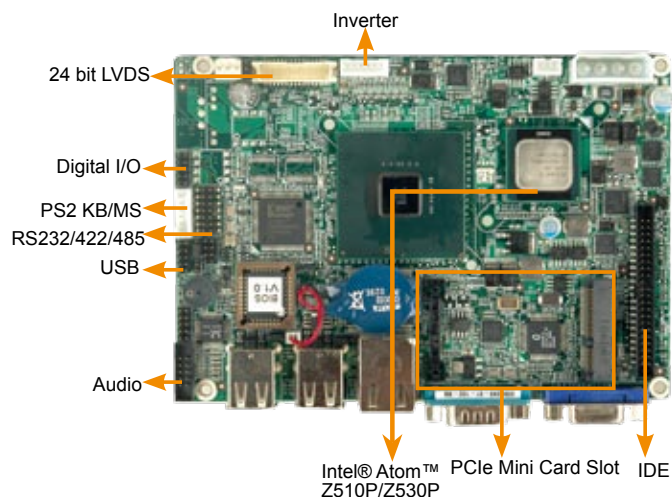


# WAFER-US15WP

3.5" SBC with Intel® Atom™  
Processor Z510P/Z530P



## Specifications

- ◆ CPU
  - Intel® Atom™ Processor Z530P 1.6GHz with a 533Mhz FSB
  - Intel® Atom™ Processor Z510P 1.1GHz with a 400Mhz FSB
- ◆ System Chipset
  - Intel® US15WP
- ◆ BIOS
  - AMI BIOS
- ◆ System Memory
  - One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
  - One PCIe Intel® 82574L GbE Chipset
- ◆ I/O interface
  - 6 x USB 2.0                      1 x IDE
  - 1 x RS232                        1 x RS-232/422/485
  - 1 x PS/2 for KB/MS            1 x CF Type II
- ◆ Expansions
  - 1 x PCIe mini card
- ◆ Super IO
  - ITE IT8718
- ◆ Digital I/O
  - 8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Audio
  - HD interface with Realtek ALC888 codec
- ◆ Display Interface
  - Intel® Graphics Media Accelerator 500 (GMA500)
  - VGA support by Chrontek CH7317A
  - 18/24 bit Single-channel LVDS intergrated in Intel® US15WP
- ◆ Watchdog Timer
  - software programmable 1-255 sec. by super I/O
- ◆ Power Supply
  - 5V only, AT/ATX support
- ◆ Power Consumption
  - 5V@1.48A (Intel® Atom™ Z530P 1.6GHz with 1GB DDR2)
- ◆ Temperature
  - operation: 0 ~ 60°C ( 32 ~ 140°F)
- ◆ Humidity
  - operation: 5% ~95 non-condensing
- ◆ Dimensions
  - 146 mm x 102 mm
- ◆ Weight
  - GW: 650g / NW: 230g

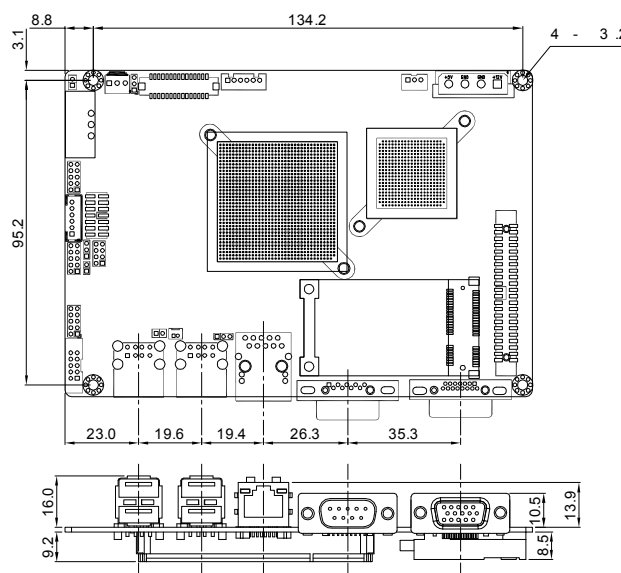
## Packing List

1 x WAFER-US15WP single board computer	
1 x KB/MS cable (P/N: 32000-023800-RS)	
1 x IDE Flat cable 44p/44p (P/N: 32200-000009-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	
1 x Mini jumper	
1 x Utility CD	1 x QIG

## Features

1. Intel® Atom™ Z510P/Z530P CPU for Ultra Low Voltage Fan-less support
2. Support VGA+ 24bit Single LVDS for dual independent display
3. High Graphic Performance supports H.264, MPEG1/2/4, VC1/WMV9 High Definition decode
4. Support 2 x COM / 6 x USB and CF Type II socket

## Dimensions(mm)



## Ordering Information

Part No.	Description
WAFER-US15WP-Z530P-R10	3.5" SBC with Intel® Atom™ Z530P 1.6GHz, VGA/24 bit LVDS, GbE,CFII, USB, Audio
WAFER-US15WP-Z510P-R10	3.5" SBC with Intel® Atom™ Z510P 1.1GHz, VGA/24 bit LVDS, GbE,CFII, USB, Audio
32000-070301-RS	Dual port USB cable
32200-026500-RS	RS-232/422/485 cable
32100-052100-RS	ATX power cable
ITS-44-R10	2.5" IDE to SATA module