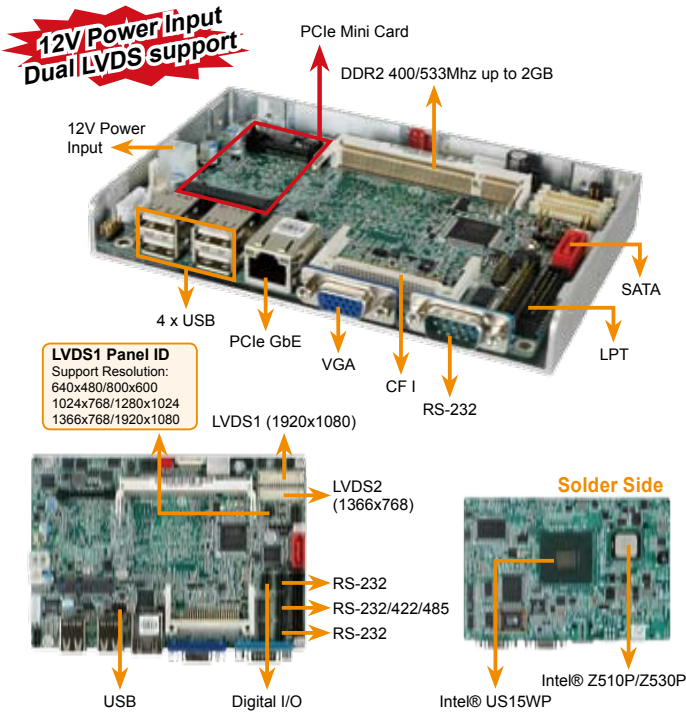


WAFER-US15WP2

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



3.5" SBC with Dual LVDS

Model Name	WAFER-US15WP2-Z510-R10 WAFER-US15WP2-Z530P-R10	WAFER-945GSELVDS2-N270-R10
CPU	Intel® Atom™ Processor Z510P 1.1GHz with a 400MHz FSB Intel® Atom™ Processor Z530P 1.6GHz with a 533MHz FSB	Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
System Chipset	Intel® US15WP	Intel® 945GSE Intel® 82801GBM/ICH7M
BIOS	AMI BIOS	AMI BIOS
Memory	One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)	One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
Ethernet	PCIe Intel® 82574L GbE Chipset	One PCIe Realtek 8111CP GbE chipsets
I/O interface	6 x USB 2.0 3 x RS-232 1 x PS/2 for KB/MS	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)	8-bit digital I/O (4-bit input, 4-bit output)
Expansion	1 x PCI Express Mini Card	1 x PCI Express Mini Card
Audio	Realtek ALC888 with HD codec	Realtek ALC655 with AC'97 codec
Display Interface	Intel® Graphics Media Accelerator 500 supports H.264, MPEG1/2/4, VC1/WMV9 High Definition decode VGA integrated in Intel® US15WP LVDS1: 18/24 bit Dual-Channel LVDS support by SDVO through scaler chip Novatek NT6866UFG, Resolution up to 1920x1080 LVDS2: 24 bit Single-channel LVDS integrated in Intel® US15WP, resolution up to 1366x768	Intel® Graphics Media Accelerator 950 VGA integrated in Intel® 945GSE, Resolution up to 2048x1536 (QXGA) LVDS1: 18 bit dual-channel LVDS intergrated in Intel® 945GSE, resolution up to 1600x1200 (UXGA) LVDS2: 18/24 dual-channel LVDS support by Chronel CH7308 up to 1600x1200
Power Supply	12V only, AT/ATX support	5V only, 12V for LCD/System FAN, AT/ATX support
Super I/O	Fintek F81865	ITE IT8718



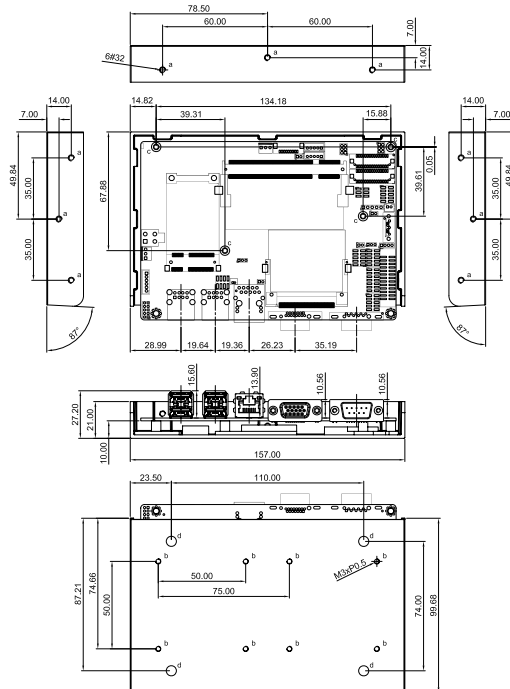
Features

1. Intel® Atom™ Processor Z510P/Z530P CPU for Ultra Low Voltage Fan-less support
2. Single 12V power input and 5V output for SATA Device
3. Support dual LVDS for dual independent display
4. High Graphic Performance supports H.264, MPEG1/2/4, VC1/WMV9 High Definition decode
5. Support 4 x COM, 6 x USB/SATA and CF Type I socket

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
- ◆ Memory
One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
** Z530P memory support 533MHz
** Z510P memory support 400MHz
- ◆ Ethernet
One PCIe Intel® 82574L GbE Chipset
- ◆ I/O interface
6 x USB 2.0
3 x RS232
1 x PS/2 for KB/MS
1 x RS-232/422/485 w/auto flow control
1 x SATA (IDE to SATA, 1 x 2pin wafer box for SATA 5V output)
- ◆ Infrared Interface
1 x Infrared Interface
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Extension
1 x PCIe mini card
- ◆ Audio
HD Codec with Realtek ALC888
- ◆ Display Interface
Intel® Graphics Media Accelerator 500 (GMA500)
VGA by Chronel CH7317
LVDS1: 24 bit Dual-Channel LVDS support by SDVO through scaler chip Novatek NT6866UFG Support resolution 640x480, 800x600, 1024x768, 1280x1024, 1366x768, 1920x1080
LVDS2: 24 bit Single-channel LVDS intergrated in Intel® US15WP
- ◆ Watchdog Timer
Software programmable 1-255 sec. by super I/O
- ◆ Power Supply
12V only, AT/ATX support
- ◆ Super I/O
Fintek F81865
- ◆ Power Consumption
12V@1.15A, Intel® Atom™ Z530P 1.6GHz/
DDR2 1GB
- ◆ Temperature
operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity
operation: 5% ~95 non-condensing
- ◆ Weight
GW: 700g / NW: 350g

Dimensions (mm)



Ordering Information

Part No.	Description
WAFER-US15WP2-Z530P-R10	3.5" SBC with Intel® Atom™ Z530P 1.6GHz, 24bit+48bit Dual LVDS, GbE, CF, USB, SATA
WAFER-US15WP2-Z510P-R10	3.5" SBC with Intel® Atom™ Z510P 1.1GHz, 24bit+48bit Dual LVDS, GbE, CF, USB, SATA
32000-070301-RS	Dual Port USB Cable
32000-015100-RS	LPT Cable
32200-026500-RS	RS232/422/485 Cable
32100-043403-RS	ATX Power Cable

Packing List

1 x WAFER-US15WP2 Single board computer	
1 x SATA 5V power output Cable Kit (P/N: 32000-114000-RS)	
2 x RS-232 cable (P/N: 32200-000049-RS)	1 x KB/MS Cable (P/N: 32000-023800-RS)
1 x Power Cable (P/N: 32100-087100-RS)	1 x Audio Cable (P/N: 32000-072100-RS)
1 x Enclosure Heatsink	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG (Quick Installation Guide)