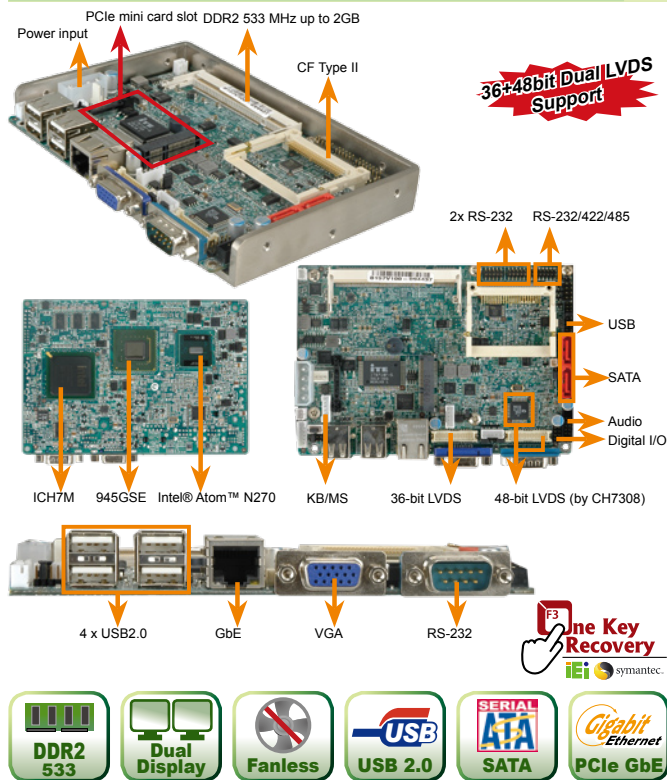


WAFER-945GSELVDS2

3.5" SBC with Intel® Atom™ processor, 18-bit and 24-bit dual-channel LVDS, four COM ports



Features

1. Intel® Atom™ N270 1.6GHz CPU for ultra low voltage and fanless support
2. Single 5V low power design, 12V for LCD
3. Dual LVDS support 36-bit and 48-bit for dual independent display
4. Support two SATA, four COM, six USB, PCIe Mini card, CF Type I and audio
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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 Realtek RTL8111CP PCIe GbE controller
- ◆ 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 integrated in Intel® 945GSE
 - LVDS2: 18/24-bit dual-channel LVDS supported by Chrontel CH7308
- ◆ Power Supply
 - 5V only, 12V for LCD system fan, AT/ATX support
- ◆ Super I/O
 - 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

Packing List

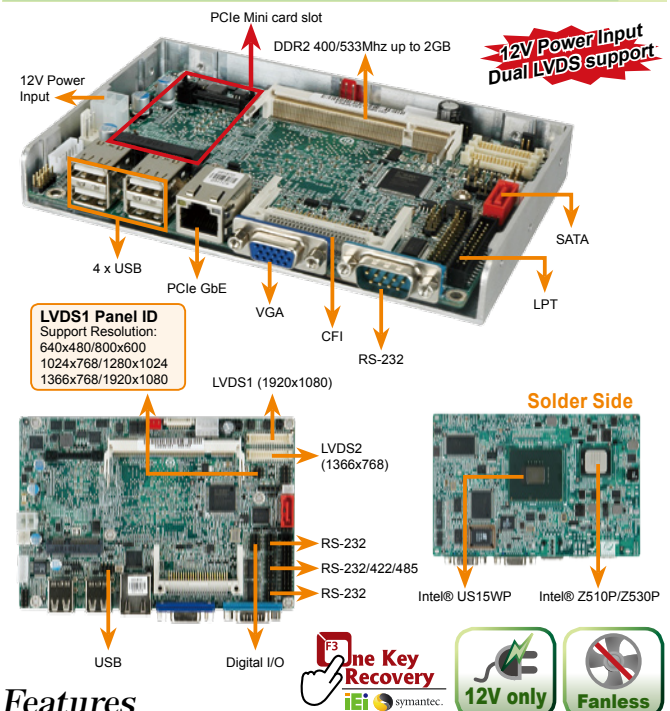
1 x WAFER-945GSELVDS2 single board computer	
2 x SATA cable (P/N: 32000-062800-RS)	1 x KB/MS cable (P/N: 32000-023800-RS)
1 x Audio cable (P/N: 32000-072100-RS)	2 x RS-232 cable (P/N: 32200-000049-RS)
1 x Enclosure heatsink	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
WAFER-945GSELVDS2-N270-R10	3.5" SBC with Intel® Atom™ N270 1.6GHz, VGA/18-bit and 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
32102-000100-200-RS	SATA power cable

WAFER-US15WP2

3.5" SBC with Intel® Atom™ processor Z510P/Z530P with dual LVDS support



Features

1. Intel® Atom™ Processor Z510P/Z530P CPU for ultra low voltage and fanless 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 four COM, six USB, six SATA and CF Type I socket
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
 - 1.6GHz Intel® Atom™ Z530P processor with a 533MHz FSB
 - 1.6GHz Intel® Atom™ Z510P processor 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 supports 533MHz memory
 - ** Z510P supports 400MHz memory
- ◆ Ethernet
 - One Intel® 82574L PCIe GbE controller
- ◆ I/O interface
 - 6 x USB 2.0
 - 1 x RS-232
 - 1 x PS/2 for KB/MS
 - 1 x RS-232/422/485 w/auto flow control
 - 1 x SATA (IDE to SATA, 12-pin wafer 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
- ◆ Expansion
 - 1 x PCIe Mini card
- ◆ Audio
 - HD Codec with Realtek ALC888
- ◆ Display Interface
 - Intel® Graphics Media Accelerator 500 (GMA500) VGA by Chrontel CH7317A
 - LVDS1: 24-bit dual-channel LVDS support by SDVO through scaler chip Novatek 6866UFG
 - Support resolution 640x480, 800x600, 1024x768, 1280x1024, 1366x768, 1920x1080
 - LVDS2: 24-bit single-channel LVDS integrated 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

Packing List

1 x WAFER-US15WP2 Single board computer	
1 x SATA 5V power output cable kit (P/N: 32801-000201-100-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
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
WAFER-US15WP2-Z530P-R10	3.5" SBC with Intel® Atom™ Z530P 1.6GHz, 24bit+48bit dual LVDS, GbE, CFI, USB, SATA
WAFER-US15WP2-Z510P-R10	3.5" SBC with Intel® Atom™ Z510P 1.1GHz, 24bit+48bit dual LVDS, GbE, CFI, USB, SATA
32000-070301-RS	Dual port USB cable
32200-015100-RS	LPT cable
32200-026500-RS	RS-232/422/485 cable
32100-043403-RS	ATX power cable