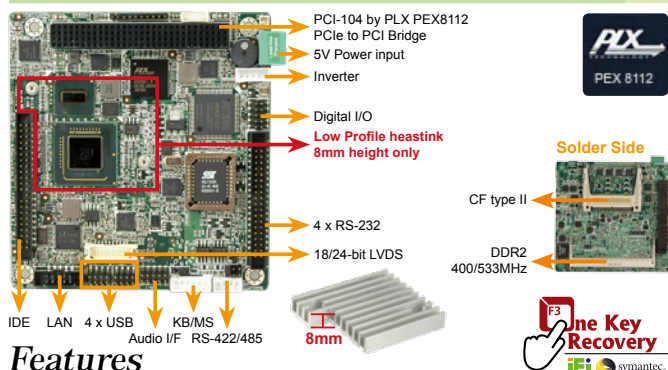


PM-US15W

PCI-104 Intel® Atom™ Z510/Z530 CPU board with 18/24-bit LVDS, USB, CF



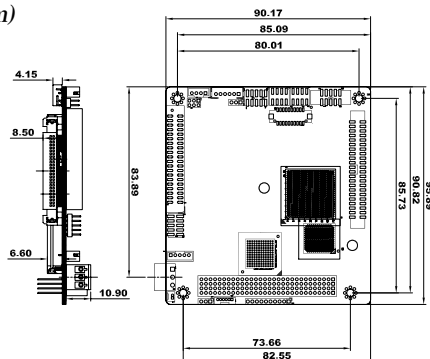
Features

1. Intel® Atom™ Z510/Z530 processor up to 1.6GHz
2. PLX PEX8112 PCIe to PCI bridge support PCI-104 add-on card
3. Single-channel 18/24-bit LVDS supported
4. CF Type II and four USB, four COM supported
5. Full hardware acceleration of H.264, MPEG2, VC1, and WMV9 is supported
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
 - Intel® Atom™ Z510 1.1GHz with a 400MHz FSB w/o HT support
 - Intel® Atom™ Z530 1.6GHz with a 533MHz FSB w/ HT support
- ◆ System Chipset
 - Intel® US15W
- ◆ BIOS
 - AMI BIOS
- ◆ System Memory
 - 1 x 200-pin single channel DDR2 SO-DIMM 400/533MHz up to 2GB
- ◆ Ethernet
 - 10/100Mbps Realtek RTL8102E Ethernet chipset (PCIe Interface)
- ◆ I/O Interface
 - 1 x IDE 1 x KB/MS
 - 4 x RS-232 4 x USB 2.0
 - 1 x RS-422/485 (Shared with COM2)
 - 1 x CF Type II Socket
- ◆ Expansion
 - PCI-104 Slot (PCI BUS)
- ◆ Digital I/O
 - 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Super I/O
 - SMSC 3114
- ◆ Display Interface
 - 18/24-bit single channel LVDS
 - VGA support by LVDS to VGA module (LVDS-VGA-R10)
- ◆ Audio
 - 7.1 channel HD audio kit with Realtek ALC888 codec supports dual audio streams
- ◆ Watchdog Timer
 - Software programmable supports 1 ~255 sec. System reset
- ◆ Power Supply
 - 5V only, AT/ATX support
- ◆ Power consumption
 - 5V@1.84A (Intel® Atom™ Z510 1.1GHz with 1GB DDR2)
- ◆ Temperature
 - operating: 0°C ~ +60°C
- ◆ Humidity
 - operation: 5% ~95% non-condensing
- ◆ Dimensions
 - 96 mm x 90 mm
- ◆ Weight
 - GW: 650g / NW: 250g

Dimensions (mm)



Packing List

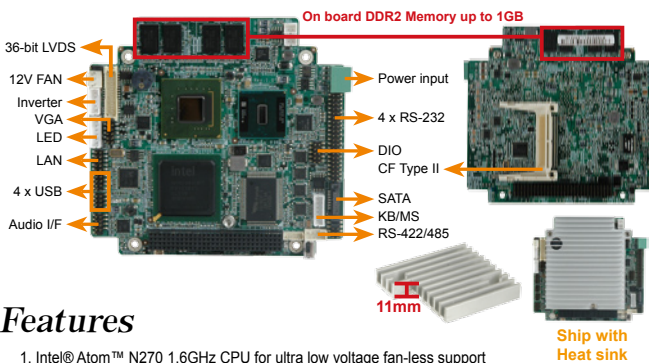
1 x PM-US15W single board computer	
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)	
1 x Quad ports RS-232 cable (P/N: 32200-025401-RS)	
2 x Dual USB ports cable (P/N: 32000-070301-RS)	
1 x KB/MS cable (P/N: 32000-023800-RS)	1 x LAN cable (P/N: 32000-055702-RS)
1 x Power cable P/N: 32100-130300-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
PM-US15W-Z530-R10	PCI-104 SBC Intel® Z530 1.6GHz with LVDS, USB, CF, 4COM
PM-US15W-Z510-R10	PCI-104 SBC Intel® Z510 1.1GHz with LVDS, USB, LAN, CF, 4COM
LVDS-VGA-R10	LVDS to VGA converter board
32600-114400-RS	20pin LVDS connecting cable
AC-KIT-888HD-R10	7.1 channel HD audio Kit with realtek ALC888 codec support dual audio streams
32200-074800-RS	RS-422/485 cable

PM-945GSE

PCI-104 SBC with Intel® Atom™ 1.6GHz CPU, VGA/LVDS, LAN, USB, SATA, four COM and on-board 1GB memory



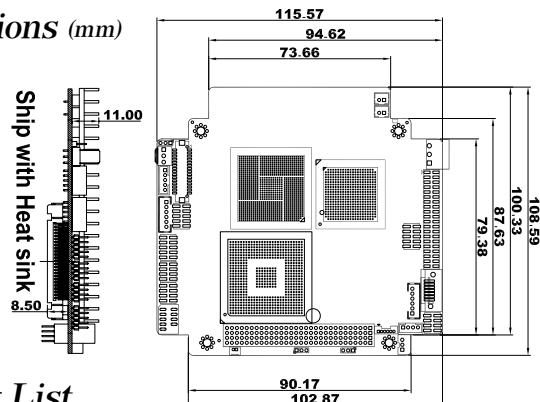
Features

1. Intel® Atom™ N270 1.6GHz CPU for ultra low voltage fan-less support
2. Single 5V power design, 12V for LCD/fan
3. 18-bit dual-channel LVDS + VGA support dual independent display
4. On-board memory supports up to 1GB
5. Support four COM, four USB 2.0, one SATA and CF Type II socket
6. Low profile heat sink design
7. 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/ICH7-M
- ◆ BIOS
 - AMI BIOS
- ◆ Memory
 - On-board 1GB DDR2 SDRAM supported.
- ◆ Ethernet
 - One PCIe 10/100Mbps Realtek 8102E chipset
- ◆ I/O Interface
 - 4 x USB 2.0 1 x SATA
 - 1 x PS/2 for KB/MS 1 x CF Type II
 - 4 x RS-232
 - 1 x RS-422/485 (Share with COM2)
- ◆ Digital I/O
 - 8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansion
 - PCI-104
- ◆ Power Supply
 - 5V only, 12V for LCD/FAN, AT/ATX support
- ◆ Super I/O
 - Fintek F81865
- ◆ Audio
 - 5.1 channel audio kit with Realtek ALC655 AC'97 codec
 - 7.1 channel HD audio kit with Realtek ALC888 codec supports dual audio streams
- ◆ Display Interface
 - Intel® Graphics Media Accelerator 950
 - VGA integrated in Intel® 945GSE
 - 18 bit dual-channel LVDS integrated in Intel® 945GSE
- ◆ Watchdog Timer
 - software programmable 1-255 sec. by super I/O
- ◆ Temperature
 - operation: 0°C~ 60°C (32°F~ 140°F)
- ◆ Humidity
 - operation: 5% ~95% non-condensing
- ◆ Power Consumption
 - 5V@2.6A (Intel® Atom™ N270 1.6GHz, 1GB DDR2)
- ◆ Dimensions
 - 108.59mm x 116mm (4.275" x 4.55")
- ◆ Weight
 - GW: 650g / NW: 250g

Dimensions (mm)



Packing List

1 x PM-945GSE single board computer	
1 x Quad RS-232 cable (P/N: 32100-147900-RS)	
2 x Dual USB cable (P/N: 32000-070301-RS)	
1 x Power cable (P/N: 32100-130300-RS)	1 x SATA cable (P/N: 32000-062800-RS)
1 x KB/MS cable (P/N: 32000-023800-RS)	1 x VGA cable (P/N: 32000-033804-RS)
1 x LAN cable (P/N: 32000-055702-RS)	1 x Mini jumper pack
1 x CD Utility	1 x QIG

Ordering Information

Part No.	Description
PM-945GSE-N270-R10	PCI-104 SBC with Intel® Atom™ 1.6GHz CPU, VGA/LVDS, LAN, USB, SATA, four COM and on-board 1GB memory
32200-074800-RS	RS-422/485 cable
32102-000100-200-RS	SATA power cable
32100-052100-RS	ATX power cable
AC-KIT08R-R10	5.1 channel AC'97 Audio Kit with Realtek ALC655 codec
AC-KIT-888HD-R10	7.1 channel HD Audio Kit with Realtek ALC888 codec support dual audio streams