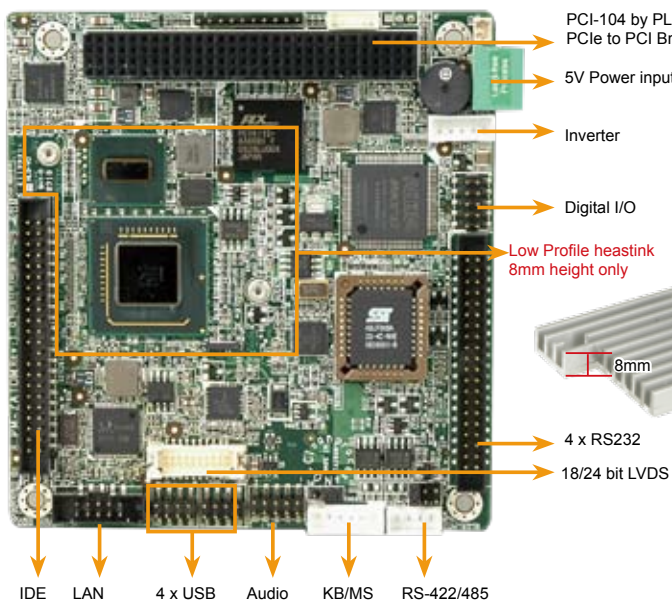
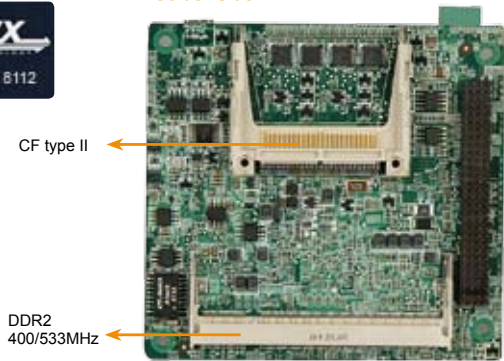


PM-US15W

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



Solder Side



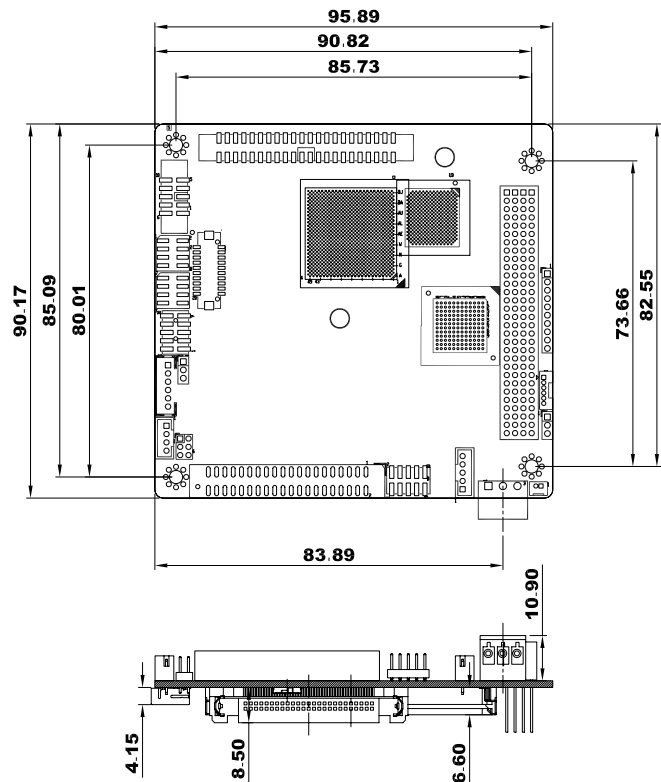
Features

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 4 x USB, 4 x COM supported
5. Full hardware acceleration of H.264, MPEG2, VC1, and WMV9 is supported

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
 - 4 x RS-232
 - 1 x RS-422/485 (Shared with COM2)
 - 4 x USB 2.0
 - 1 x IDE
 - 1 x KB/MS
 - 1 x CF type II Socket
- ◆ Expansion
 - PC-104 Slot (PCI BUS)
- ◆ Digital I/O
 - 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Super I/O
 - SMSC 3114NU
- ◆ 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 ALC883 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@1.46A (Intel® Atom™ Z530 1.6GHz 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 Mini jumper pack | |
| 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 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 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 |
| AC-KIT883HD-R10 | 7.1 channel HD audio Kit with realtek ALC883 codec support dual audio streams |
| ITS-44-R10 | 2.5" IDE to SATA module |
| 32200-074800-RS | RS-422/485 cable |