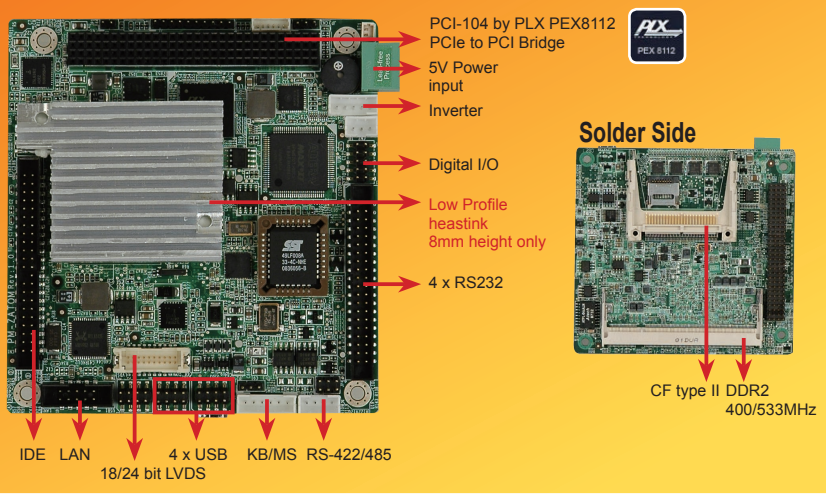
PM-US15W

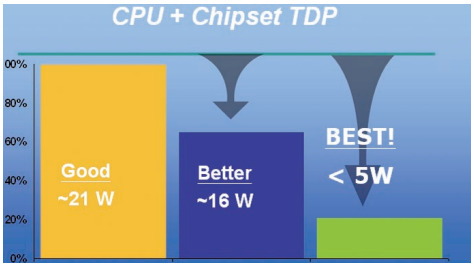
PCI-104 Intel® Atom™ Z510/Z530 CPU board with 18/24 bit LVDS, USB, CF

- Intel® Atom™ Z510/Z530 Processor up to 1.6GHz
- PLX PEX8112 PCIe to PCI bridge support PCI-104 Add-on card
- Single channel 18/24 bit LVDS supported
- CF type II and 4 x USB, 4 x COM supported
- Full hardware acceleration of H.264, MPEG2, VC1, and WMV9 is supported



75+ % reduction in TDP**
Hyper-Threading Technology
Performance-Per-Watt leadership

5V only, AT/ATX support



FSB 533 | DDR2 533 | Fanless | HI-SPEED CERTIFIED USB

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@1.84A (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

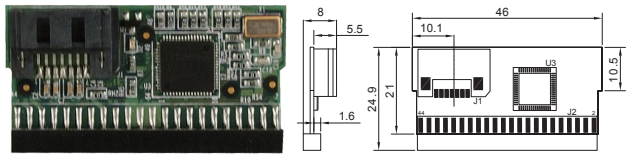
Packing List

1 x PM-US15W single board computer	
1 x Mini jumper pack	
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)	
1 x Four ports RS-232 cable (P/N:32200-025401-RS)	
1 x RS-232/422/485 cable (P/N: 32200-026501-RS)	
2 x Dual USB ports cable (P/N: 32000-070300-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

ITS-44 *2.5" IDE to SATA Module*



- 2.5" IDE to SATA module
- Converts standard SATA to IDE interface
- Chipset: JMicron JM20330
- Compliance to serial ATA generation1
- ATA/ATAPI PIO mode 0 to 4
- ATA/ATAPI Ultra DMA transfer rate up to 133MB/s
- Dimensions: 46(L) mm x 24.9(W) mm

Packing List

1 x ITS-44 daughter card
1 X SATA data cable (P/N: 32000-062800-RS)
1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
ITS-44-R10	2.5" IDE to SATA Module, RoHS

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