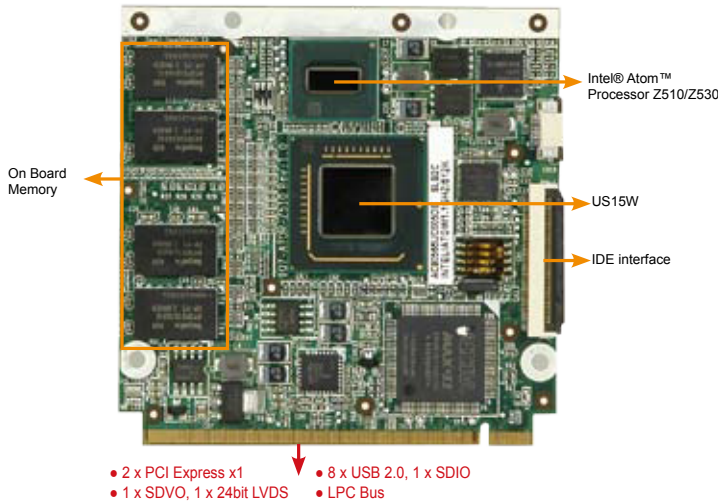


iQ7-US15W

Q7 CPU module with Intel® Atom™ Processor Z510/530



Max Display Resolution: LVDS: 1366 x 768 (24bit color) , SDVO: 1280 x 1024		
Model	iQ7-US15W-Z530	iQ7-US15W-Z510
CPU	<ul style="list-style-type: none"> • Z530 • 1.6 GHz • 13 x 14 mm HDI • HT, No VT • 533MHz FSB • TDP: 2.3W 	<ul style="list-style-type: none"> • Z510 • 1.1 GHz • 13 x 14mm HDI • No HT, No VT • 400MHz FSB • TDP: 2.0W

Solder Side



Winbond W83L784G supports H/W Monitoring

On Board Memory

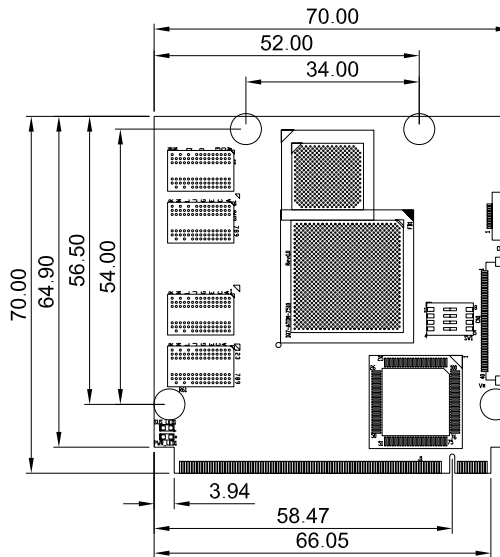
Features

1. Intel® Atom™ Processor Z510/Z530 Low power CPU with single 5V low power design
2. High Graphic Performance supports H.264, MPEG1/2/4, VC1/WMV9 High Definition decode
3. Single Channel 24bit LVDS supported
4. On board memory 1GB supported
5. SPI Interface supported

Specifications

- ◆ CPU
 - Intel® Atom™ Processor Z530 1.6GHz with a 533MHz FSB
 - Intel® Atom™ Processor Z510 1.1GHz with a 400MHz FSB
- ◆ System Chipset
 - Intel® US15W
- ◆ BIOS
 - AMI BIOS
- ◆ System Memory
 - On board 1GB DDR2 SDRAM supported
- ◆ I/O Interface
 - 8 x USB 2.0 (to base board)
 - 1 x IDE (On CPU module)
 - 1 x LPC Bus (to base board)
 - 1 x Single channel 18/24 bit LVDS (to base board)
 - 1 x SDIO (to base board)
 - 1 x SDVO (to base board)
- ◆ Expansion
 - 2x PCIe x1 (to base board)
- ◆ Display Interface
 - Intel® Graphics media accelerator 500
 - SDVO / Single channel 24 bit LVDS Integrated in Intel® US15W (to base board)
 - Max Display Resolution:
 - LVDS: 1366x768 (24 bit color)
 - SDVO: 1280 x 1024
- ◆ Watchdog Timer
 - Software programmable supports 1 ~255 sec. System reset by Winbond W83L784G
- ◆ Power Supply
 - 5V only, AT / ATX supported
- ◆ Power consumption
 - 5V@1.34A (Intel® Atom™ Z530 1.6GHz with 1GB DDR2)
 - 5V@1.255A (Intel® Atom™ Z510 1.1GHz with 1GB DDR2)
- ◆ Temperature
 - operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
 - operation: 5% ~95 non-condensing
- ◆ Dimensions
 - 70 mm x 70 mm
- ◆ Weight
 - GW: 600g / NW: 100g

Dimensions(mm)



Ordering Information

Part No.	Description
iQ7-US15W-Z510-R10	Q7 module with Intel® Atom™ Z510 1.1GHz, SDVO/LVDS, LAN, USB, SD, IDE, on board 1GB memory
iQ7-US15W-Z510W-R10	Q7 module with Intel® Atom™ Z510 1.1GHz, SDVO/LVDS, LAN, USB, SD, IDE, on board 1GB memory, -20~70°C
iQ7-US15W-Z530-R10	Q7 module with Intel® Atom™ Z530 1.6GHz, SDVO/LVDS, LAN, USB, SD, IDE, on board 1GB memory
iQ7-US15W-Z530W-R10	Q7 module with Intel® Atom™ Z530 1.6GHz, SDVO/LVDS, LAN, USB, SD, IDE, on board 1GB memory, -20~70°C
iQ7-DB-MITX-R10	Mini ITX form factor base board for Q7 module, RoHS
32400-307900-RS	15 cm 1.8" IDE FFC cable

Packing List

1 x Q7 CPU module	
1 x Heatsink	
1 x Utility CD	1 x QIG