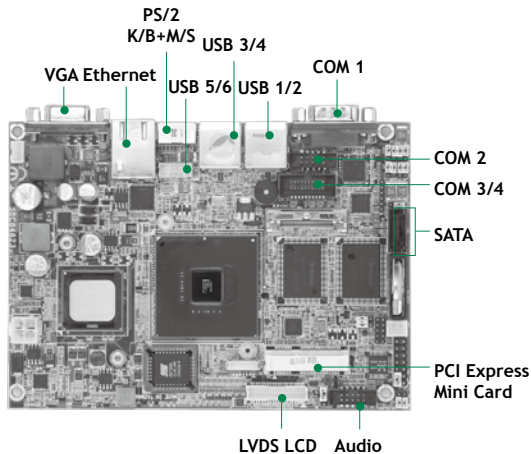


# SBC84823

Intel® Atom™ Z510PT/Z520PT 3.5" Embedded SBC with Intel® System Control Hub US15WPT Chipset, VGA/LVDS, DualView and PCI Express Mini Card (-40°C ~ +85°C)



Atom™ Z510/520PT  
Intel® US15WPT  
1 G.E.  
LVDS/VGA  
6 USB 2.0  
PCI Express Mini Card  
CompactFlash™  
-40°C ~ +85°C

## Features



- Intel® Atom™ processor Z510PT (1.1 GHz)/Z520PT (1.3 GHz) series with FSB 533 MHz
- Intel® system control hub US15WPT chipset
- Integrated graphics controller for VGA and LVDS
- 6 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion
- Wide range voltage of +8V ~ +24V DC input
- Supports wide temperature of -40°C ~ +85°C

## System

CPU	Intel® Atom™ processor Z510PT 1.1 GHz and Z520PT 1.33 GHz onboard with FSB 400/533 MHz
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max up to 2GB
Chipset	Intel® System Controller Hub US15WPT
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card
Battery	Lithium 3V/195 mAH
Size	146 x 104 mm
Temperature	-40°C ~ +85°C (-40°F ~ +185°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

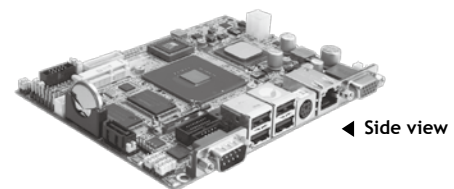
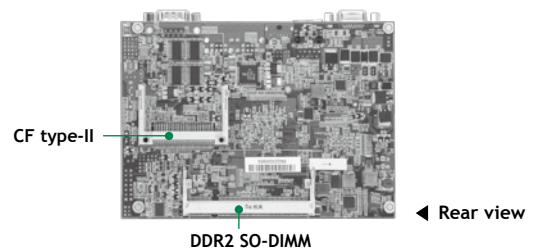
## I/O

MIO	1 x PS/2 keyboard and mouse 4 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574IT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC888
USB	6 x USB 2.0 ports
TPM 1.2	N/A
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 channels IN & 5 channels OUT

## Display

Chipset	Intel® GMA 500 graphics Core
Memory Size	Max. up to 256 MB
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single channel

\* W.T.: Wide Temperature



## Packing List

Quick installation guide, user's manual/utility CD, cable

## Ordering Information

	Standard
SBC84823VGA-Z510PT-RC w/WT (P/N: E384823100)	3.5" SBC with Intel® Atom™ processor Z510PT 1.1 GHz, VGA/LVDS LCD, 10/100/1000Mbps, audio and W.T. (-40°C ~ +85°C)
SBC84823VGA-Z520PT-RC w/WT	3.5" SBC with Intel® Atom™ processor Z520PT 1.3 GHz, VGA/LVDS LCD, 10/100/1000Mbps, audio and W.T. (-40°C ~ +85°C)