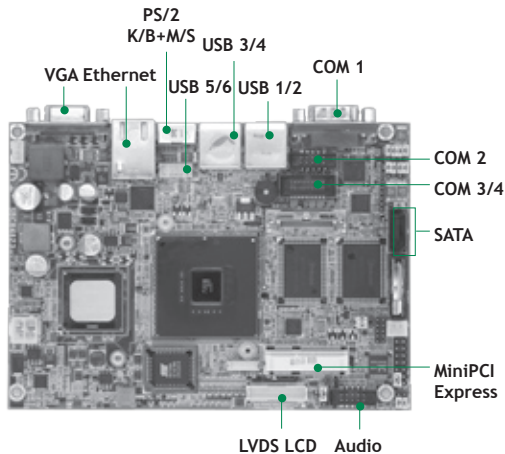


# SBC84823

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



Atom™ Z510/Z520PT
Intel® US15WPT
1 G.E.
LVDS/VGA
6 USB 2.0
MiniPCI Express
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
- MiniPCI Express expansion
- Wide range voltage
- Supports wide temperature of -40°C ~ +85°C

## System

CPU	Intel® Atom™ processor Z510PT (1.1 GHz)/Z520PT (1.3 GHz) series with FSB 533 MHz
System Memory	1 x 200-pin DDR2-400/533 SODIMM max. up to 2GB
Chipset	Intel® system control hub US15WPT
BIOS	Phoenix-Award with RP:/PXE LAN Boot ROM, Smart view and customer CMOS backup
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 0-255 sec.
Expansion Interface	1 x MiniPCI Express
Battery	Lithium 3V/196mAH
Size	146 x 102mm
Temperature	-40°C ~ +85°C (-40°F ~ +185°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

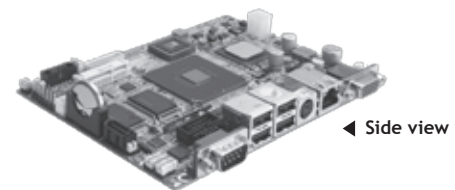
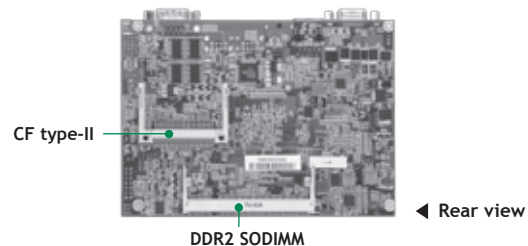
## I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 4 x RS-232 (COM1/2/3/4); with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan speed detection
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 port; 2 ports on rear I/O; 4 ports via connector
TPM 1.2	N/A
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	3 channel IN and 5 channel OUT

## Display

Chipset	Integrated in Intel® system control Hub US15W XL
Memory Size	Max. up to 256 MB sharing system memory
Resolution	* VGA: 1280 x 1024 * LVDS LCD: 18/24-bit single channel up to 1366 x 768
Output Interface	* VGA connector with D-sub 15-pin connector * LVDS LCD via JST connector

\* W.T.: Wide Temperature



## Packing List

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

## Ordering Information

	Standard
SBC84823VGA-Z510PT-RC w/ET	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/ET	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)