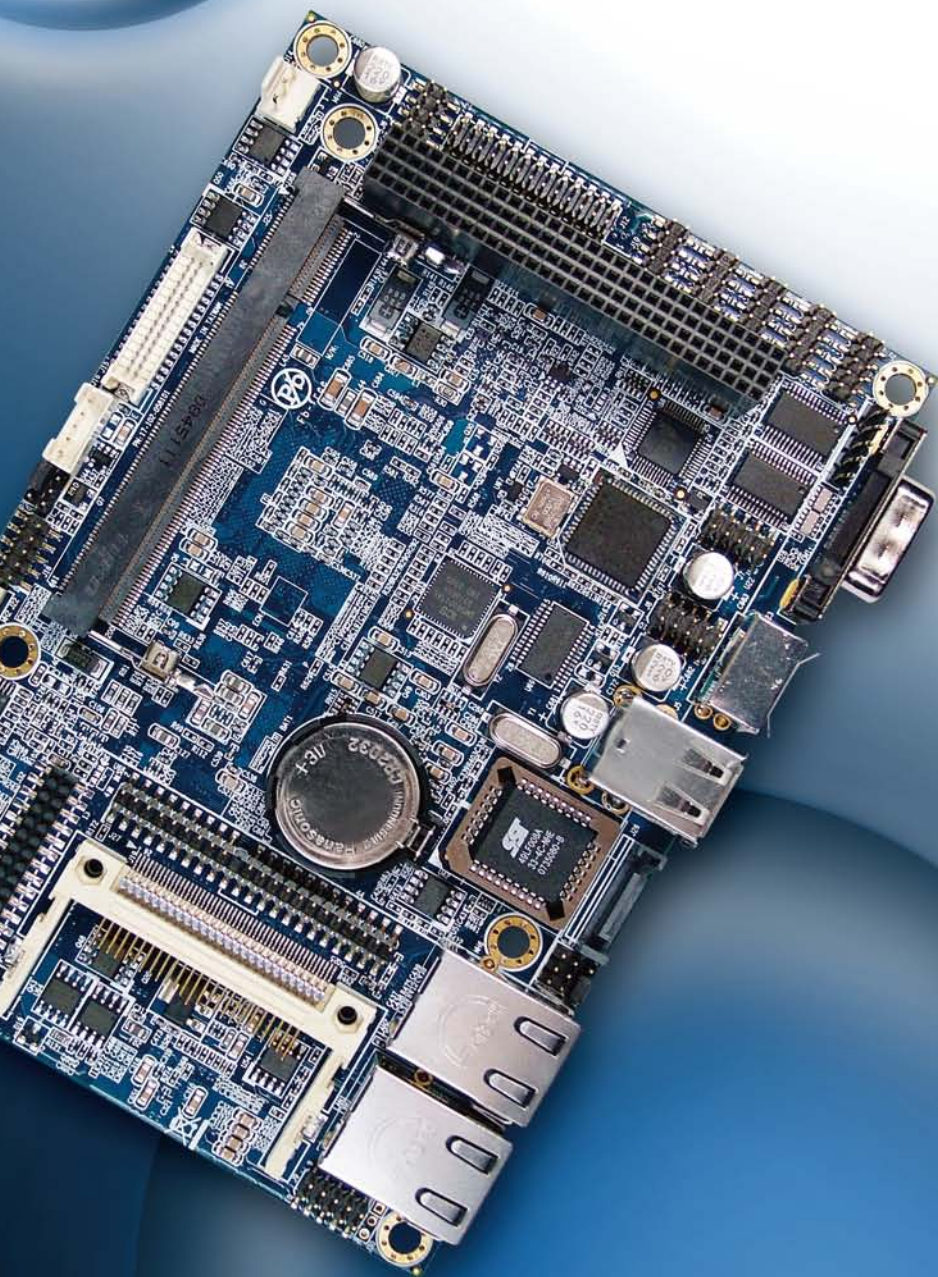


SBC



EB-581LF

Intel® Atom™ Z510/ Z530
3.5" Embedded Board
w/ SCH US15W / Audio /
2LAN

Features and Benefits:

- Supports onboard Intel® Atom™ Processor Z510/Z530 series
- Memory support DDR2 SO-DIMM up to 2GB
- Supports HW decode acceleration H.264, MPEG 1/2/4, WMV9/VC1 High Definition decode
- Onboard dual Gigabit LAN
- Supports CRT (via SDVO) and one 24-bit LVDS, 4 x COM, 8 x USB, 1 x SATA II, 1 x LPT
- Expansion slots for PCI-104



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<http://www.protech-usa.net>

Protech Japan Co., Ltd.

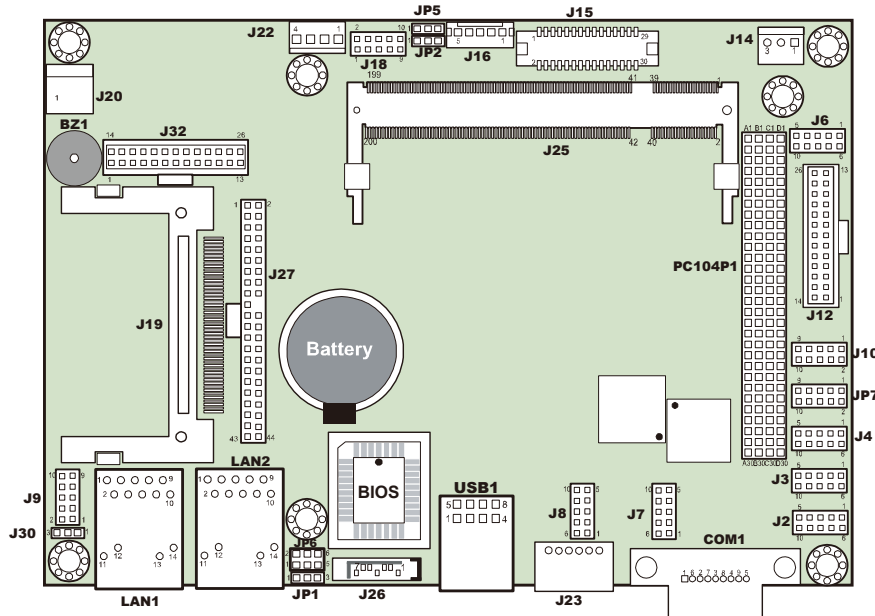
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ISO CERTIFIED
9001 14001

EB-581LF

Intel® Atom™ Z510/ Z530 3.5" Embedded Board w/
SCH US15W / Audio / 2LAN



Specifications

System	
CPU Support	Intel® Atom™ Z510 / Z530
CPU Frequency	Z510 (1.1GHz) / Z530 (1.6GHz)
Chipset	Intel® SCH US15W (FSB : 400/533MHz)
DRAM	1 x 200-Pin DDR2 SO-DIMM, supports DDR2 533 up to 2GB
BIOS	Award PnP BIOS with VGA BIOS
Watchdog	1~255 sec Watchdog timer selectable w/Reset/NMI
Power Supply	+12V
Power Consumption	+12V : 1.25A (Z530), 1.1A (Z510)
Dimension	102 mm x 145 mm (4.02" x 5.71")
Certificate	FCC / CE

I/O Chipset

SATA Interface	1 x S-ATA connector, via PCIE switch (PLX PEX8505) to support SATA (Silicon Image SII3132)
IDE Interface	1 x IDE connector with 44-pin Pinheader on board
SSD	1 x compact flash slot
Expansion BUS	1 x PCI-104
Serial Port	4 ports COM 1/3/4 for RS232, COM 2 for RS232/422/485 COM 1: D-SUB 9-pin on board COM 2/3/4: pin-header on board
Parallel Port	1 x parallel port (SPP / EPP / ECP)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/KB) or Y-Cable
LAN	2 x Lan Port, Lan 1/2: Intel® 82574L 1000BaseT Ethernet; Supports Wake-on-LAN with ATX Power

Audio	High Definition Audio, Realtek ALC888 Line-in, Line-out, Mic, With pinheader on board
USB	8 x USB 2.0 2 ports on Rear Panel, 6 ports with pin-header on board
D/I/O	4in / 4out

Display

Graphic	Built-in SCH US15W, share system memory Support LVDS, SDVO (pin-header on board to support VGA)
LCD Interface	24 bits-Single channels LVDS

Environment

OperationTemp.	0°~60°C (32°~140°F)
Storage Temp.	-40°~85°C (-40°~185°F)
Humidity	Operation humidity 20~90%, Storage humidity 20~95%

Ordering Information

EB-581LF-C1600	3.5" Board with Intel® Atom™ Z530 (1.6GHz) / Audio / 2 x LAN (GbE) / LVDS / PCI-104
EB-581LF-C1100	3.5" Board with Intel® Atom™ Z510 (1.1GHz) / Audio / 2 x LAN (GbE) / LVDS / PCI-104
EB-581LF-C1601	3.5" Board with Intel® Atom™ Z530 (1.6GHz) / Audio / 1 x LAN (GbE) / LVDS
EB-581LF-C1101	3.5" Board with Intel® Atom™ Z510 (1.1GHz) / Audio / 1 x LAN (GbE) / LVDS

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