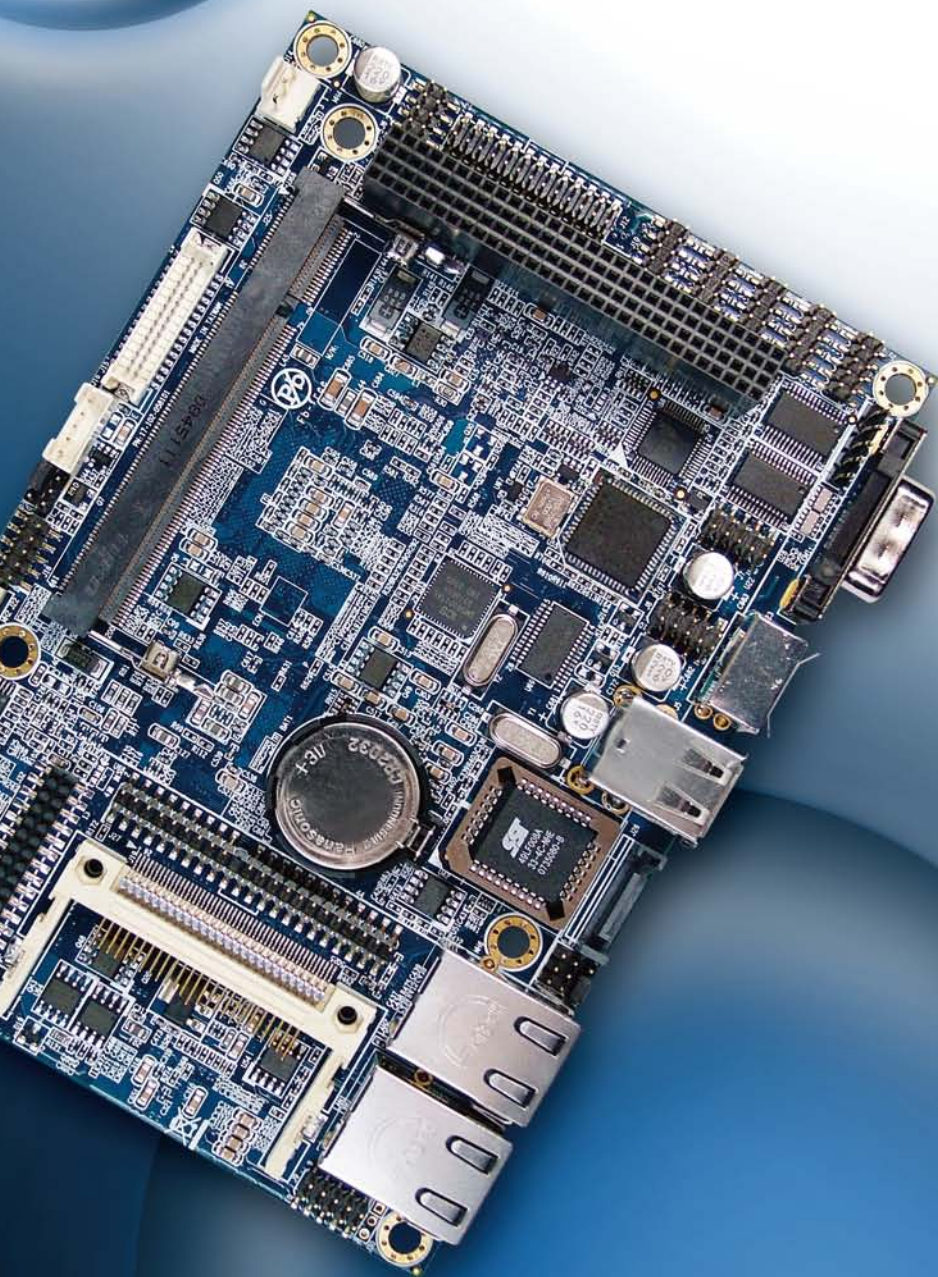


SBC



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



Protech Systems Co., Ltd.

No. 24, Lane 365, Yang Goang Street, Nei Hu District Taipei 114, Taiwan
TEL: +886-2-8751-1111 FAX: +886-2-8751-1199
E-mail: sales@protech.com.tw
<http://www.protech.com.tw>

Protech Technologies Inc.

950 Fee Ana St, Suite B Placentia, CA 92870
TEL: +1-714- 996-7200 FAX: +1-714- 996-7300
Sales: sales@protech-usa.net
<http://www.protech-usa.net>

Protech Japan Co., Ltd.

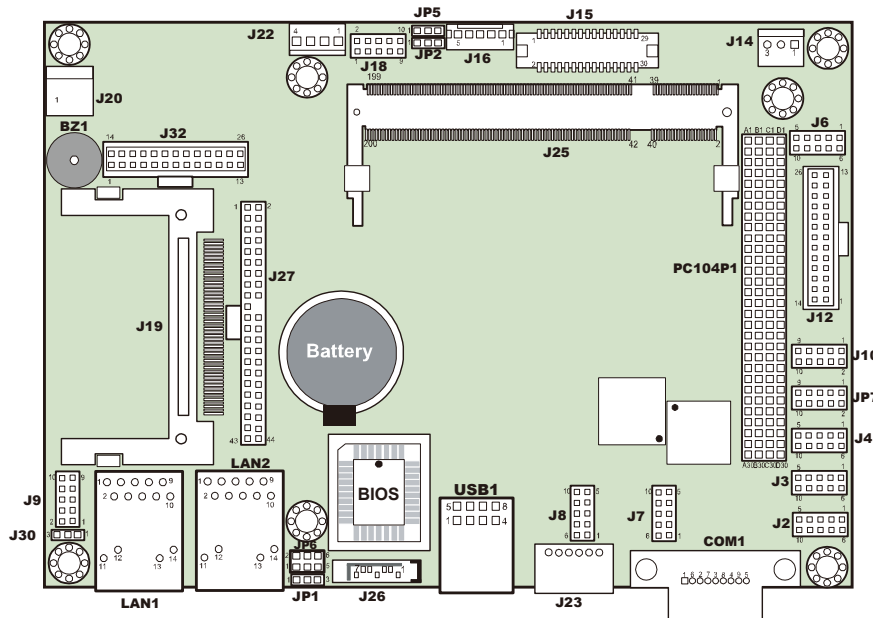
OSK Bldg, 6F, 6-25-14, Minami-ohi Shinagawa-ku, Tokyo, 140-0013
TEL: +81-3-5753-8411 FAX: +81-3-3763-9282
E-mail: sam@protech-j.com
<http://www.protech-j.com>



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

All of trademarks and brand names are the property of their owners. Trademark "Protech" is the property of Protech Systems Co., Ltd. All information contained in this document is subject to change without any prior notice. This catalog is copyrighted in Oct. 2010.