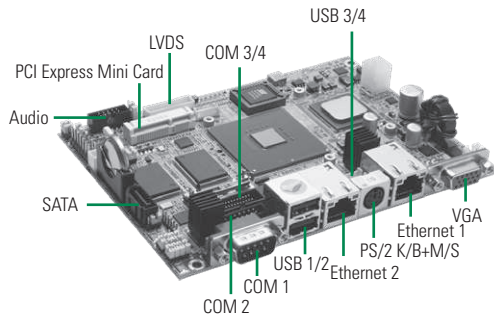


SBC84826

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



System

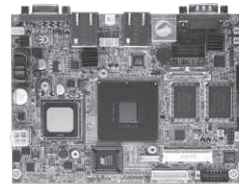
CPU	Intel® Atom™ processor Z510PT 1.1 GHz onboard with FSB 400 MHz
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max. up to 2 GB
Chipset	Intel® system control Hub US15WPT
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II socket
Watchdog Timer	255 levels, 0~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2 (USB only, PCIe x1 optional)
Battery	Lithium 3V/195mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirement	Intel® Atom™ Z510PT @1.1 GHz, 1GB DDR2 Max. RMS: +12V @ 651mA
Size	146 x 102 mm
Board thickness	1.6 mm
Operating Temperature	-40°C ~ +85°C (-40°F ~ +185°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

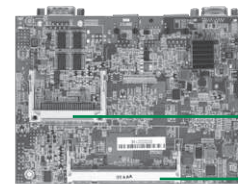
MIO	1 x PS/2 keyboard and mouse 4 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1st port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574IT 2nd port as 10/100Mbps with AX88772B
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 channels IN and 5 channels OUT

Features

- Intel® Atom™ processor Z510PT 1.1 GHz with FSB 400 MHz
- Intel® system control hub US15WPT chipset
- Integrated graphics controller for VGA and LVDS
- 4 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion (USB only)
- Supports wide range temperature of -40°C ~ +85°C



▲ Top view



▲ Rear view

CF type-II
DDR2
SO-DIMM

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

Packing List

Standard

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

Cable

Part Number	Description	Qty
59380000300E	2 x COM w/ bracket P=1.27 x 2.54 L=300mm	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382620000E	1 x COM cable w/ bracket P=2.0mm, L=300mm	1

Ordering Information

Standard

SBC84826VGEA	3.5" SBC with Intel® Atom™ processor Z510PT 1.1 GHz, -Z510PT-RC w/WT
(P/N: E384826100)	VGA/LVDS, 1 10/100/100 Mbps & 1 10/100Mbps Ethernet, 4 COM, 4 USB, audio and W.T. (-40°C ~ +85°C)

* W.T.: Wide Temperature