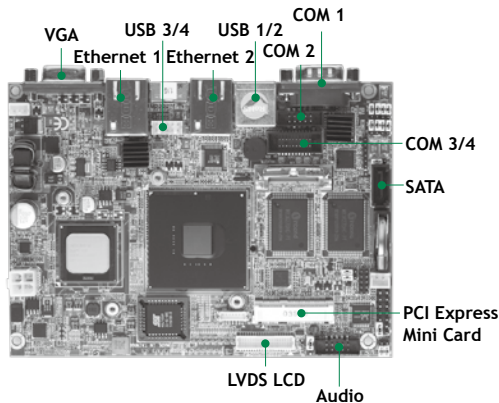


SBC84826

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)



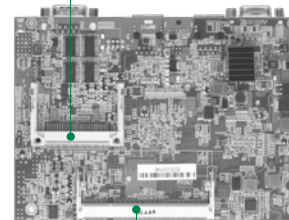
Atom™ Z510PT
Intel® US15WPT
1 G.E. & 1 F.E.
4 USB 2.0
PCIe Mini Card
CompactFlash™

Features



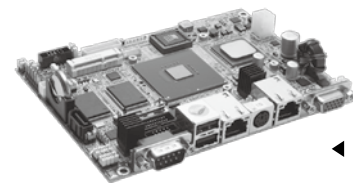
- Intel® Atom™ processor Z510PT 1.1 GHz with FSB 400 MHz
- Intel® system control hub US15WPT chipset
- Integrated graphic controller for VGA and LVDS
- 4 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion (USB only)
- +12V only DC-in supported
- Supports wide temperature of -40°C ~ +85°C

CF type-II



◀ Rear view

DDR2 SO-DIMM



◀ Side view

System

CPU	Intel® Atom™ processor Z510PT 1.1 GHz onboard with FSB 400 MHz
System Memory	1 x 200-pin DDR2-400/533 SODIMM 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 Requirement	Intel® Atom™ Z510PT @1.1 GHz, 1GB DDR2 Max. RMS: +12V @ 651mA
Size	146 x 102 mm
Board thickness	1.6 mm
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

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 (RC)	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382620000E	1 x COM cable w/ bracket P=2.0mm, L=300mm (RC)	1

Ordering Information

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

* W.T.: Wide Temperature

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix