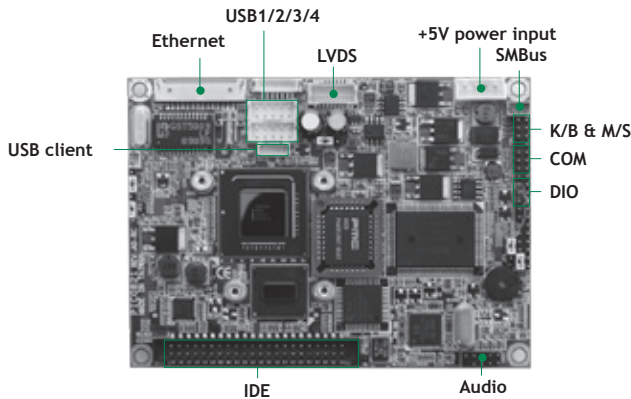


# PICO821

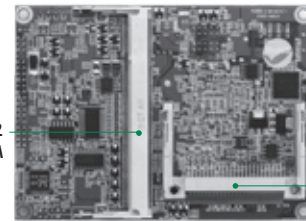
Intel® Atom™ Z500 Pico-ITX SBC with LVDS LCD, PATA, LAN and CF



- Atom™ Z500
- Intel® US15W
- LVDS
- 5 USB 2.0
- CompactFlash™

## Features

- Ultra low power Intel® Atom™ processor Z500 series
- Intel® System Controller Hub US15W
- 1 COM and 5 USB 2.0 (1 client port) supported
- LVDS LCD supported
- 1 PATA and 1 CompactFlash™
- 1 10/100/1000Mbps Ethernet
- +5V only single voltage DC-in supported
- Minimum 9 Watt power requirement



▲ Rear view

## System

CPU	Intel® Atom™ processor Z500 series
System Memory	1 x 200-pin SODIMM supports DDR2-400/533 PC2-3200/4200 max. up to 2GB
Chipset	Intel® System Controller Hub US15W
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 Levels, 1-255 sec.
Expansion Interface	N/A
Battery	Lithium 3V/196mAH
Size	100 x 72mm
Temperature	0° C ~ +60° C (32° F ~ 140° F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-100 1 x PS/2 keyboard/mouse 1 x COM (RS-232)
SATA	N/A
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System fan features
Ethernet	1 port as 10/100/1000Mbps supports Wake-on-LAN RPL/PXE Boot ROM with Realtek RTL8111B
Audio	HD Codec audio as Mic-in/Line-in/Line-out with Realtek ALC888
USB	5 x USB 2.0 (1 client port)
SMBus	System Management Bus for advanced monitoring/control interface
Digit I/O	6 channels IN/OUT

## Display

Chipset	Intel® System Controller Hub US15W
Resolution	LCD: 18/24-bit LVDS, max. pixel clock of 112MHz (1366 x 768@85Hz)
Output interface	LVDS LCD through JST connector
Memory Size	Max. up to 256M

\* W.T.: Wide Temperature

## Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	PICO821 Qty
E393221101	AX93221 24bit LVDS to DVI-D Bd.	1
5938H821040E	PICO821 LVDS to AX93221 cable	1
59382631000E	2 x USB cable	2
5938H821030E	PICO821 USB client port cable	1
5938H821000E	PICO821 COM + KB cable	1
5938H821010E	PICO821 audio cable	1
85932021000E	AX93202 RJ-45 Bd.	1
59093201000E	PICO821 to AX93202 cable	1
5938H821020E	PICO821 power in cable	1

## Ordering Information

Standard	
PICO821LGA-Z510 (P/N:E38H821100)	Pico-ITX SBC with Intel® Atom™ processor Z510 1.1 GHz, LVDS LCD, PATA, 10/100/1000Mbps, CF and DVI-D kit
PICO821LGA-Z530 (P/N:E38H821102)	Pico-ITX SBC with Intel® Atom™ processor Z530 1.6 GHz, LVDS LCD, PATA, 10/100/1000Mbps, CF and DVI-D kit